

CENTENNIAL PARK

ORIGINAL

95% Construction Document Submittal

Helena, Montana

November 20, 2009

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RECEIVED

DEC 10 2009

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

VICINITY MAP



Prepared For:

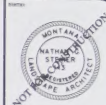
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In Association With:





Centennial Park - 95% Submittal
CONSTRUCTION LIMITS

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GOLF COURSE ARCHITECTURE
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G-100

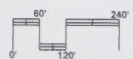


LEGEND

--- CONSTRUCTION LIMITS

GENERAL NOTES:

1. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO INSTALLATION, EXCAVATION, OR PLANTING OPERATIONS. ANY DAMAGE TO EXISTING UTILITIES ON SITE OR ADJACENT PROPERTY SHALL BE CONTRACTOR'S RESPONSIBILITY.
2. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE PREPARED AND SEEDED AS SPECIFIED. A DISTURBED AREA SHALL BE WHERE CONSTRUCTION ACTIVITIES INCLUDING TRENCHING, DEMOLITION, EARTHWORK, MATERIAL STORAGE, STAGING, AND PARKING OR ANY OTHER FORM OF EXCAVATION, CORROSION, OR TRAFFIC THAT RESULTS IN THE REMOVAL OR DISPLACEMENT OF EXISTING GROUND COVER OR GRADE. DISTURBED AREAS NOT SPECIFICALLY DESIGNATED AS TURF SEEDING SHALL BE SEEDED WITH A DRYLAND SEED MIX AS SPECIFIED.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL OTHER CONTRACT DOCUMENTS TO DETERMINE FULL SCOPE OF POTENTIAL SITE DISTURBANCE TO BE RECLAIMED.





Centennial Park - 95% Submittal
CONSTRUCTION LIMITS

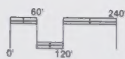


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SHEET
G-100

ABBREVIATIONS

Ø	AT	LPG	LIQUID PROPANE GAS
Δ	ANGLE OF DEFLECTION, DELTA ANGLE	LT	LEFT
∠PT	ANGLE POINT	MAY	MAY/AM
AB	ANCHOR BOLT	MD	MEASURE DOWN
ABANDON	ABANDON	MDT	MANUFACTURED
AC	ASBESTOS CONCRETE	MFR	MANUFACTURE, MANUFACTURER
ADGN	ADDITIONAL	MH	MANHOLE
ADJ	ADJACENT	MIN	MINIMUM
ALT	ABOVE FINISHED FLOOR	MISC	MISCELLANEOUS
ALT	ALTERNATE	MJ	MECHANICAL JOINT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MOV	MOTOR OPERATED VALVE
APPROX	APPROXIMATE	MPS	MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS
APVD	APPROVED	N	NORTH
ARCH	ARCHITECTURE, ARCHITECTURAL	NE	NORTHEAST
ASPH	ASPHALT	NG	NATURAL GAS
AVE	AVENUE	NIC	NOT IN CONTRACT
AVE	AVERAGE	NO	NUMBER
BFV	BUTTERFLY VALVE	NOM	NOMINAL
BLDG	BUILDING	NTS	NOT TO SCALE
BLK	BLOCK	NW	NORTHWEST
BLVD	BOLLEVAARD	OC	ON CENTER
BM	BEAM, BENCHMARK	OD	OUTSIDE DIAMETER
BOT	BOTTOM	OF	OVERFLOW
BRC	BEARING	OH	OVERHEAD
BRKT	BRACKET	OH	OVERHEAD POWER
BVC	BEGIN VERTICAL CURVE	OHP	OVERHEAD POWER
C-C	CENTER TO CENTER	OHT	OVERHEAD TELEPHONE
CHAN	CHANNEL	OPNG	OPENING
CHK	CHECK	PC	POINT OF CURVATURE
O	CAST IRON	PCC	POINT OF COMPOUND CURVATURE
ORC	CAST-IN-PLACE CONCRETE	PE	PLAIN END, POLYETHYLENE
ORC	CIRCULAR	PERP	PERPENDICULAR
Q	CENTER LINE	P	POINT OF INTERSECTION
CL	CLEAR, CLEARANCE	P	PROPERTY LINE
CMF	CORRUGATED METAL PIPE	PAL	PANEL
CMU	CONCRETE MASONRY UNITS	PRC	POINT OF REVERSE CURVATURE
COL	COLUMN	PREAB	PREABRICATED
CONC	CONCRETE	PRELIM	PRELIMINARY
CONSTR	CONSTRUCTION	PROP	PREPARE, PREPARATION
CONT	CONTINUING, CONTINUED, CONTINUOUS	PRV	PRESSURE REDUCING VALVE
CONTR	CONTRACTOR	PSF	POUNDS PER SQUARE FOOT
COORD	COORDINATE	PSI	POUNDS PER SQUARE INCH
CP	CONTROL, PANEL, CONTROL POINT	PT	POINT, POINT OF TANGENCY
CRG	Coupling	PVC	POLYVINYL CHLORIDE
CTR	CENTER	PV	POINT OF VERTICAL INTERSECTION
CTV	CABLE TELEVISION	PVMT	PAVEMENT
CU	CUBIC CUP	R	RADIUS
CU	CUBIC FEET	RC	REINFORCED CONCRETE
CU	CUBIC YARD	RCP	REINFORCED CONCRETE PIPE
DET	DETAIL	RD	ROAD
DI	DUCTILE IRON, DRAIN INLET	RDOR	REDUCER
DIA	DIAMETER	REBAR	REINFORCEMENT BAR
DIA	DIAMETER	REF	REFERENCE
DIM	DIMENSION	REIN	REINFORCE
DR	DRAIN	REQD	REQUIRED
DWG	DRAWING	RR	RAILROAD
E	EAST	RST	REINFORCING STEEL
EA	EACH	RT	RIGHT
EL	ELEVATION	R/W	RIGHT-OF-WAY
EL	ELEVATION	S	SOUTH, SANITARY SEWER
ELC	ELECTRIC, ELECTRICAL	SAN	SANITARY
ENCL	ENCLOSE	SCH	SCHEDULE
ENGR	ENGINEER	SD	STORM DRAIN
EOP	EDGE OF PAVEMENT	SE	SIDEWALK
EQ	EQUAL, EQUALLY	SECT	SECTION
EQ SP	EQUALLY SPACED	SF	SQUARE FOOT
EQUIP	EQUIPMENT	SH	SHEET
EQUIV	EQUIVALENT	SHL	SHOULDER
EVC	END VERTICAL CURVE	SLP	SLOPE
EW	EACH WAY	SPEC	SPECIFICATION
EXC	EXCAVATE	SQ	SQUARE
EXP	EXPANSION	SSTL	STAINLESS STEEL
EXP JT	EXPANSION JOINT	STA	STATION
EXIST	EXISTING	SS	SANITARY SEWER SERVICE
FCV	FLOW CONTROL VALVE	STD	STANDARD
FD	FLOOR DRAIN	ST	STEEL
FDN	FOUNDATION	STRUCT	STRUCTURE
FES	FLARED END SECTION	SW	SOUTHWEST
FF	FINISHED FLOOR	SYM	SYMMETRICAL
FINISH GRADE	FINISH GRADE	TB	THRUST BLOCK
PHYD	FIRE HYDRANT	TBC	TOP BACK OF CURB
FL	FLANGE JOINT	TBM	TEMPORARY BENCH MARK
FL	FLOW LINE	TEL	TELEPHONE
FLX	FLEXIBLE	TEMP	TEMPORARY
FM	FORCEMAIN	THRU	THROUGH
FT	FOOT, FEET	TYP	TYPICAL
FO	FIBER OPTIC	UG	UNDERGROUND
FTG	FOOTING, FITTING	UGP	UNDERGROUND POWER
G	NATURAL GAS	UTL	UTILITY
GAL	GALLON	V	VALVE, VOLT
GALV	GALVANIZED	VB	VALVE BOX
GR	GROUND	VB	VERTICAL
GR	GRAVEL	VOL	VOLUME
H	HOSE	W	WEST, WATER
HDR	HIGH DENSITY POLYETHYLENE	WTR	WATER
HDR, HORIZ	HORIZONTAL	WO	WOOD
HRY	HYDRANT	W/	WITH
HYD	HYDRO	W/O	WITHOUT
ID	INSIDE DIAMETER	WL	WETLAND
IE	INVERT ELEVATION	WM	WIRE MESH, WATER METER
INCH	INCH	WS	WATERSTOP, WATER SURFACE, WATER SERVICE
INV	INVERT	WT	WEIGHT
J	JOINT	WV	WATER VALVE
J	JOINT	WWF	WELDED WIRE FABRIC
J	JOINT	WWM	WELDED WIRE MESH
K	RATE OF VERTICAL CURVATURE	YMR	TRANSFORMER
LBS	POUNDS	Y-PG	CROSSING
LF	LINEAR FEET	YS	CROSS SECTION
LY	LANE	YD	YARD

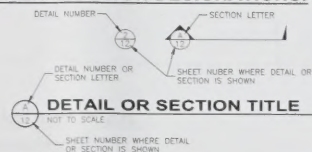
LEGEND

EXISTING	PROPOSED	DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION
		MAJOR CONTOUR			STUMP
		MINOR CONTOUR			SHRUB/BUSH
		OVERHEAD TELEPHONE			TREE-CONIFER
		UNDERGROUND TELEPHONE			TREE-DECIDUOUS
		CABLE TELEVISION			TREE LINE
		FIBER OPTIC			COMMUNICATION MANHOLE
		NATURAL GAS			COMMUNICATION VAULT
		OVERHEAD POWER			TELEPHONE RISER
		UNDERGROUND POWER			CABLE TV RISER
		SANITARY SEWER			NATURAL GAS METER
		SANITARY SEWER SERVICE			NATURAL GAS RISER
		SANITARY SEWER FORCEMAIN			NATURAL GAS VALVE
		STORM DRAIN			LIGHT POLE
		STORM CULVERT			STREET LIGHT POLE
		WATER			POWER RISER
		WATER SERVICE			PAD MOUNTED TRANSFORMER
		CHAINLINK FENCE			POWER VAULT
		BARBED WIRE FENCE			UTILITY POLE
		WOOD FENCE			GUY WIRE
		PAVED ROAD			SANITARY MANHOLE
		GRAVEL ROAD			SANITARY CLEANOUT
		PROPERTY LOT LINE			SANITARY LAMPHOUSE
		PROPERTY EASEMENT			STORM MANHOLE
		PROPERTY SETBACK			STORM ROUND INLET
		RIGHT-OF-WAY			STORM SQUARE INLET
		CITY LIMIT/DISTRICT BOUNDARY			STORM CATCH BASIN
		RAILROAD			11 25' ELBOW
		DITCH			22 50' ELBOW
		WATER EDGE			45' ELBOW
		WETLAND			90' ELBOW
		BUILDING			TEE
		BENCHMARK			CROSS
		CONTROL POINT			CAP
		PROPERTY PIN			FIRE HYDRANT
		BORING			GATE VALVE
		MONITORING WELL			REDUCER
		TEST PIT			WATER METER
		BOLLARD			WELL
		MAIL BOX			CURB STOP
		SIGN			FROST FREE HYDRANT

GENERAL NOTES:

- THIS IS A STANDARD LEGEND AND ABBREVIATION LIST. THEREFORE, NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED ON THIS PROJECT.
- UNLESS MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK WILL CONFORM TO THE MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS, FIFTH EDITION, MARCH 2003 & 2006 ADDENDUM (REFERRED TO COLLECTIVELY AS MPWS).
- EXISTING UNDERGROUND UTILITIES SHOWN ARE FROM THE BEST INFORMATION AVAILABLE. THIS INFORMATION IS APPROXIMATE AND MAY BE INCOMPLETE. FOR ACCURATE LOCATION, THE CONTRACTOR SHALL CONTACT PRIOR TO EXCAVATION, THE UTILITIES UNDERGROUND LOCATION CENTER AT: 1-800-424-5555.

GENERAL DESIGN DESIGNATIONS:



Centennial Park - 9.5% Submittal
LEGEND - ABBREVIATIONS
AND GENERAL NOTES

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Date: 11/19/24
Checked by: TH
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SHEET
C-1

ABBREVIATIONS

Ø	AT	LPG	LIQUID PROPANE GAS
Δ	ANGLE OF DEFLECTION, DELTA ANGLE	LT	LEFT
<PT	ANGLE POINT	MAX	MAXIMUM
AB	ANCHOR BOLT	MD	MEASURE DOWN
ABOV	ABOVE	MFD	MANUFACTURED
ACON	ASBESTOS CONCRETE	MFR	MANUFACTURE, MANUFACTURER
ADJ	ADJACENT	MH	MANHOLE
ADJ	ADJACENT	MN	MINIMUM
AF	ABOVE FINISHED FLOOR	MISC	MISCELLANEOUS
ALT	ALTERNATE	MJ	MECHANICAL JOINT
AN	AMERICAN NATIONAL STANDARDS INSTITUTE	MV	MOTOR OPERATED VALVE
APPROX	APPROXIMATE	MPWSS	MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS
APV	APPROVED	N	NORTH
ARCH	ARCHITECTURE, ARCHITECTURAL	NE	NORTHEAST
ASPH	ASPHALT	NG	NATURAL GAS
AVE	AVENUE	NOT IN CONTRACT	
AVG	AVERAGE	NO	NUMBER
BLV	BUTTERFLY VALVE	NOM	NORMAL
BLD	BUILDING	NTS	NOT TO SCALE
BLK	BLOCK	NW	NORTHWEST
BLVD	BULEVARD	OC	OUTSIDE DIAMETER
BM	BEAM, BENCHMARK	OD	OVERFLOW
BOT	BOTTOM	OH	OVERHEAD
BRG	BEARING	OP	OVERHEAD POWER
BRKT	BRACKET	OHT	OVERHEAD TELEPHONE
BVC	BEGIN VERTICAL CURVE	OPNG	OPENING
C-C	CENTER TO CENTER	PC	POINT OF CURVATURE
CHAN	CHANNEL	PCC	POINT OF COMPOUND CURVATURE
CHK	CHECK	PE	PLAN END, POLYETHYLENE
CH	CAST IRON	PERP	PERPENDICULAR
CIRC	CAST-IN-PLACE CONCRETE	PI	POINT OF INTERSECTION
CIRC	CIRCULAR	R	RADIUS
CU	CONSTRUCTION JOINT, CONTROL JOINT	R/L	POINT OF REVERSE CURVATURE
C	CENTER LINE	PREFAB	PREFABRICATED
CL	CLEAR, CLEARANCE	PREL	PRELIMINARY
CMP	CORRUGATED METAL PIPE	PREP	PREPARE, PREPARATION
CMU	CONCRETE MASONRY UNITS	PROP	PROPERTY
CO	CLEANOUT	PRV	PRESSURE REDUCING VALVE
COLA	COLUMBIA	PSF	POUNDS PER SQUARE FOOT
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
CONSTR	CONSTRUCTION	PNT	POINT OF TANGENCY
CONT	CONTINUE, CONTINUED, CONTINUOUS	PVC	POLYVINYL CHLORIDE
CONTR	CONTRACTOR	PVI	POINT OF VERTICAL INTERSECTION
COORD	COORDINATE	PVMT	PAVEMENT
CP	CORRELATION	R, RAD	RADIUS
CTR	CENTER	RC	REINFORCED CONCRETE
CU	CUBIC, CUP	RCP	REINFORCED CONCRETE PIPE
CUB	CUBIC	RED	REDUCER
CULV	CULVERT	REBAR	REINFORCEMENT BAR
CY	CUBIC YARD	REF	REFERENCE
DET	DETAIL	REIN	REINFORCE
DI	DUCTILE IRON, DRAIN INLET	REQD	REQUIRED
DIAM	DIAMETER	R/R	RAILROAD
DIA	DIAGONAL	RST	REINFORCING STEEL
DIM	DIMENSION	RT	RIGHT
DR	DRIVE	R/W	RIGHT-OF-WAY
DWG	DRAWING	S	SOUTH, SANITARY SEWER
E	EAST	SAN	SANITARY
EA	EACH	SCH	SCHEDULE
EL	ELEVATION	SD	STORM DRAIN
ELB	ELBOW	SDWK	SIDEWALK
ELEC	ELECTRIC, ELECTRICAL	SE	SOUTHEAST
ENCL	ENCLOSURE	SECT	SECTION
ENGR	ENGINEER	SF	SQUARE FOOT
EQ	EQUAL, EQUALLY	SHT	SHEET
EQ SP	EQUAL, EQUALLY SPACED	SLP	SLOPE
EQUIP	EQUIPMENT	SLP	SLOPE
EQUIV	EQUIVALENT	SPEC	SPECIFICATION
EVC	END VERTICAL CURVE	SO	SQUARE
EW	EACH WAY	SS	STAINLESS STEEL
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FL	FLOW LINE	TEMP	TEMPORARY
FLEX	FLEXIBLE	THU	THROUGH
FM	FORCEMAIN	THRU	THROUGH
FO	FOOT, FEET	UG	UNDERGROUND
FO	FOOTING, FITTING	UGP	UNDERGROUND POWER
FO	FOOTING, FITTING	UGT	UNDERGROUND TELEPHONE
G	NATURAL GAS	UTL	UTILITY
GA	GAGE, GAUGE	V	VALVE, VOLT
GAL	GALLON	VB	VALVE BOX
GALV	GALVANIZED	VERT	VERTICAL
GND	GROUND	VOL	VOLUME
GVL	GRAVEL	W	WEST, WATER
GR	GRAVEL	WTR	WATER
H	HIGH	WD	WOOD
HDR	HIGH DENSITY POLYETHYLENE	W/O	WITHOUT
HDR	HORIZONTAL	WL	WETLAND
HRY	HORIZONTAL	WM	WIRE MESH, WATER METERS
HYZ	HYDRANT	WS	WATERSTOP, WATER SURFACE, WATER SERVICE
ID	INSIDE DIAMETER	WT	WEIGHT
IE	INVERT ELEVATION	WV	WATER VALVE
IN	INCH	WWF	WELDED WIRE FABRIC
INV	INVERT	WWM	WELDED WIRE MESH
J	JUNCTION BOX	YFAR	TRANSFORMER
JT	JOINT	Y-RNG	CROSSING
K	RATE OF VERTICAL CURVATURE	YS	CROSS SECTION
LBS	POUNDS	YD	YARD
LF	LINEAR FEET		
LN	LANE		

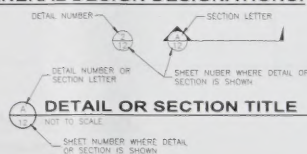
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		FIBER OPTIC			COMMUNICATION MANHOLE
		NATURAL GAS			COMMUNICATION VAULT
		OVERHEAD POWER			TELEPHONE RISER
		UNDERGROUND POWER			CABLE TV RISER
		SANITARY SEWER			NATURAL GAS RISER
		SANITARY SEWER SERVICE			NATURAL GAS VALVE
		SANITARY SEWER FORCEMAIN			STORM DRAIN
		STORM DRAIN			STORM CULVERT
		STORM CULVERT			WATER
		WATER			WATER SERVICE
		CHAILUNG FENCE			PAID MOUNTED TRANSFORMER
		BARBED WIRE FENCE			POWER VAULT
		WOOD FENCE			UTILITY POLE
		PAVED ROAD			GUY WIRE
		GRAVEL ROAD			SANITARY MANHOLE
		PROPERTY/LOT LINE			SANITARY CLEANOUT
		PROPERTY EASEMENT			SANITARY LAMPPOLE
		PROPERTY SETBACK			STORM MANHOLE
		RIGHT-OF-WAY			STORM ROUND INLET
		CITY LIMIT/DISTRICT BOUNDARY			STORM CATCH BASIN
		RAILROAD			11.25' ELBOW
		DITCH			22.50' ELBOW
		WATER EDGE			45' ELBOW
		WETLAND			90' ELBOW
		BUILDING			TEE
		BENCHMARK			CROSS
		CONTROL POINT			CAP
		PROPERTY PIN			FIRE HYDRANT
		BORING			GATE VALVE
		MONITORING WELL			REDUCER
		TEST PIT			WATER METER
		BOLLARD			WELL
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		SIGN			FROST FREE HYDRANT

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GENERAL DESIGN DESIGNATIONS:



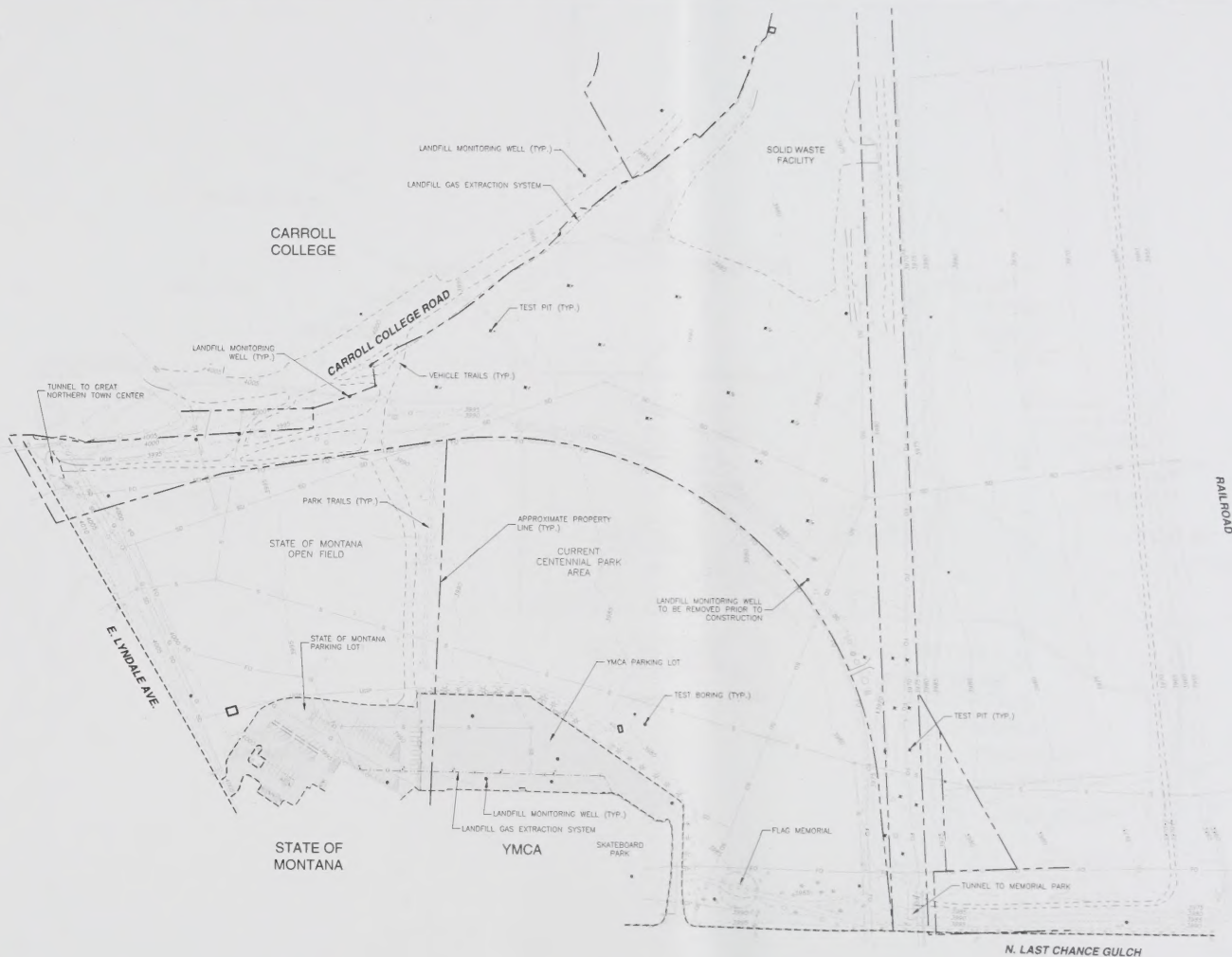
Centennial Park - 95% Submittal

LEGEND - ABBREVIATIONS AND GENERAL NOTES

CARL THUESSEN
 A S L A
 GOLF COURSE ARCHITECTURE
 LANDSCAPE ARCHITECTURE
 115 GRAND AVE. SUITE 100
 P.O. BOX 22945
 BILLINGS, MT 59108
 (406) 253-4543 FAX 253-4605

Drawn by: DAW
 Date: 8/8/07
 Checked by: THS
 Date: 8/8/07
 Rev: _____
 File: _____

SHEET
C-1



EXISTING SITE PLAN

0 100 200
SCALE IN FEET



Centennial Park - 95% Submittal EXISTING SITE PLAN

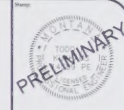
CARL THUESEN
A S L A

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1018 GRAND AVE. SUITE 100
P.O. BOX 2049
BELLINGHAM, WA 98201
360/233-5543 FAX 360-233-5543

Drawn by: DAA
Date: 11/15/02
Checked by: DKK
Date: 11/15/02
Rev: _____
Rev: _____
File: _____

SHEET
C-2

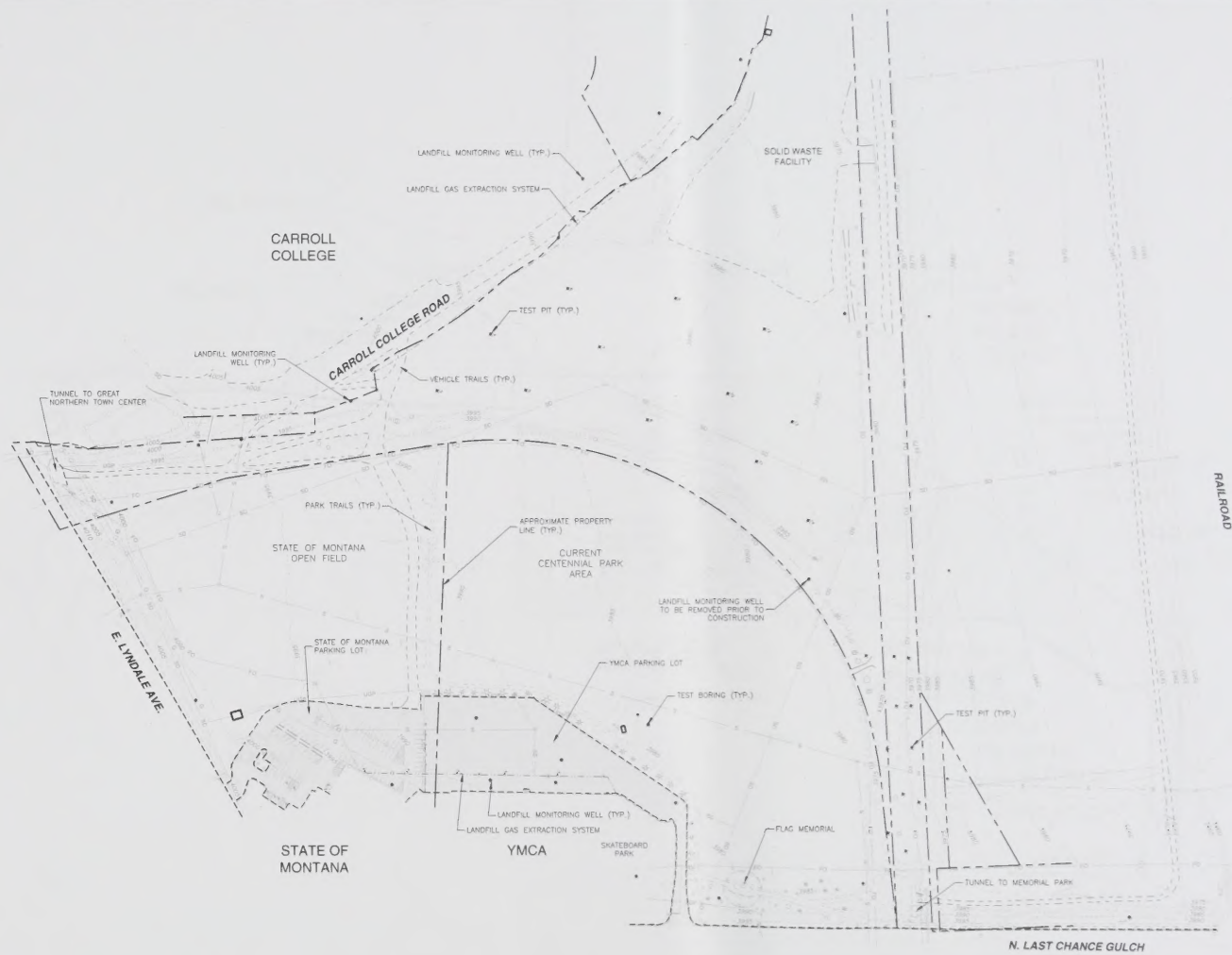


Centennial Park - 95% Submittal
EXISTING SITE PLAN

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURAL
LANDSCAPE ARCHITECTURE
1015 GRAND AVE. SUITE 101
P.O. BOX 22043
HELENA, MT 59614
PHONE (406) 443-1405 FAX (406) 443-1406

Drawn by: DJA
Date: 1/18/02
Checked by: TKG
Date: 1/18/02
Rev: _____
Rev: _____
File: _____

SHEET
C-2



EXISTING SITE PLAN
0 100 200
SCALE IN FEET



Centennial Park - 95% Submittal

DEMOLITION PLAN

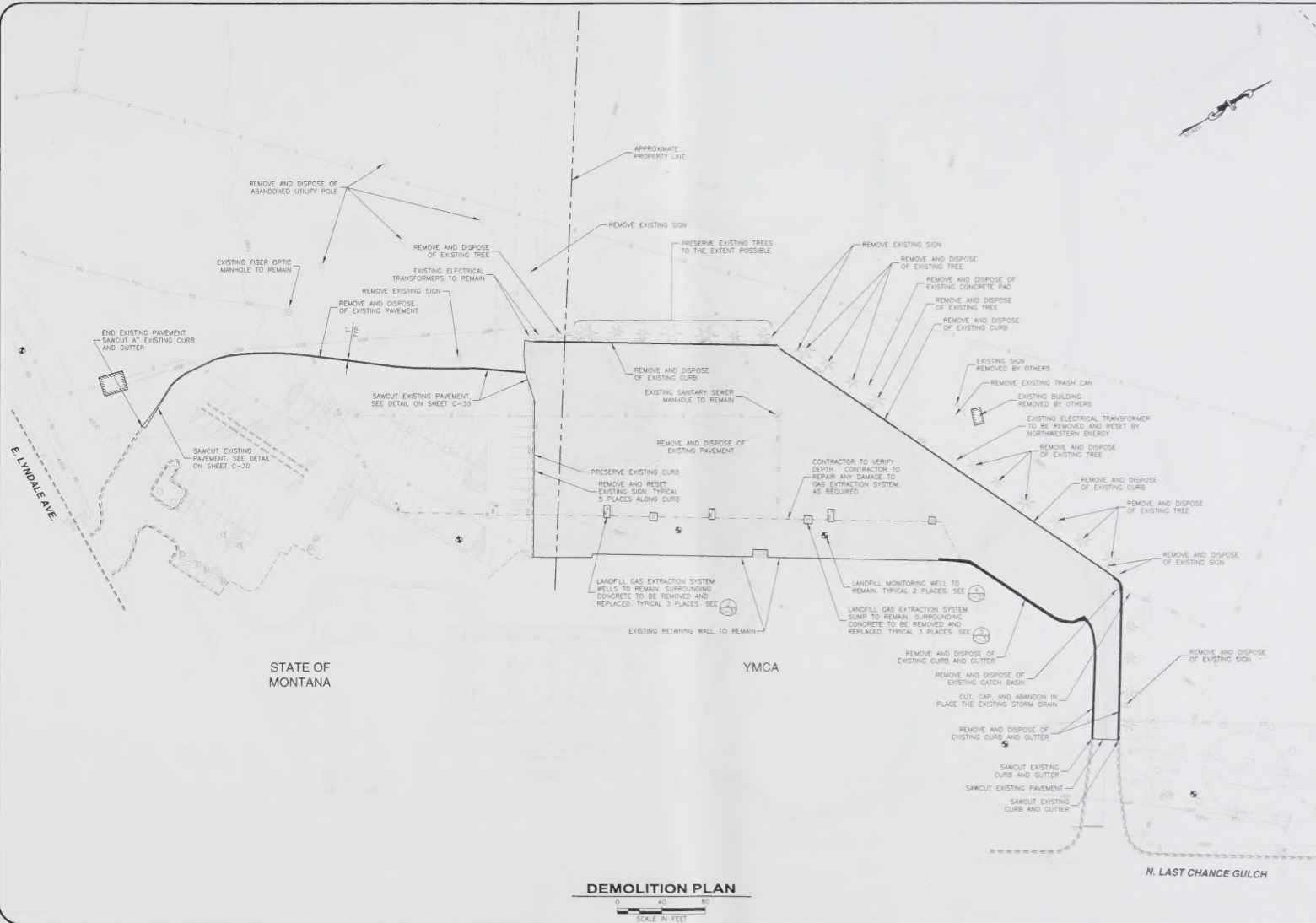
CARL THUESEN
A S L A

**GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE**

**1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59101
406/252-5545 FAX 245-9855**

Drawn by: DA
 Date: 11/18/05
 Checked by: TK
 Date: 11/18/05
 Rev: _____
 Rev: _____
 File: _____

SHEET
C-3





SHEET
C-3

0 40 80
SCALE IN FEET

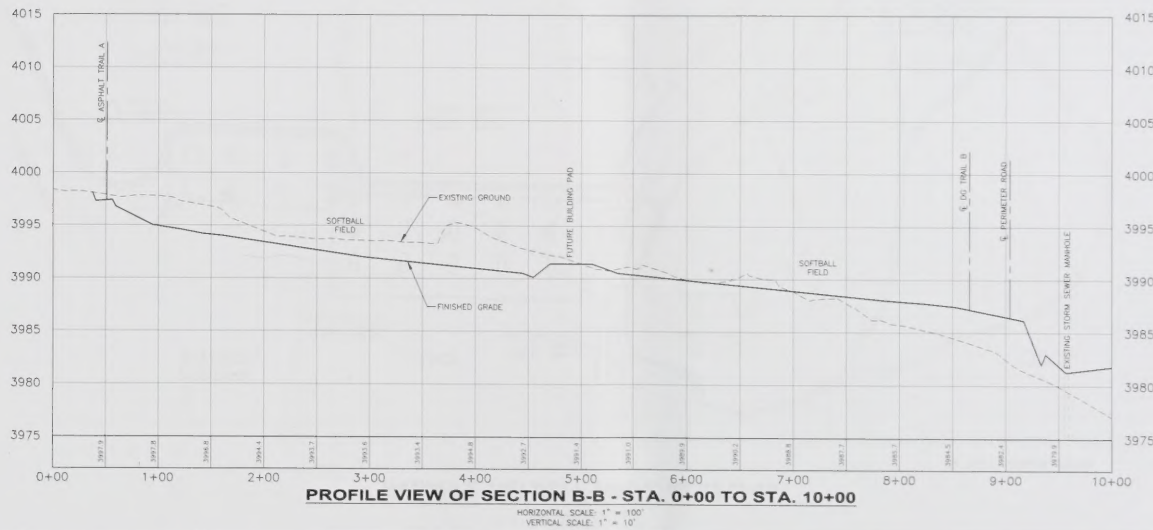
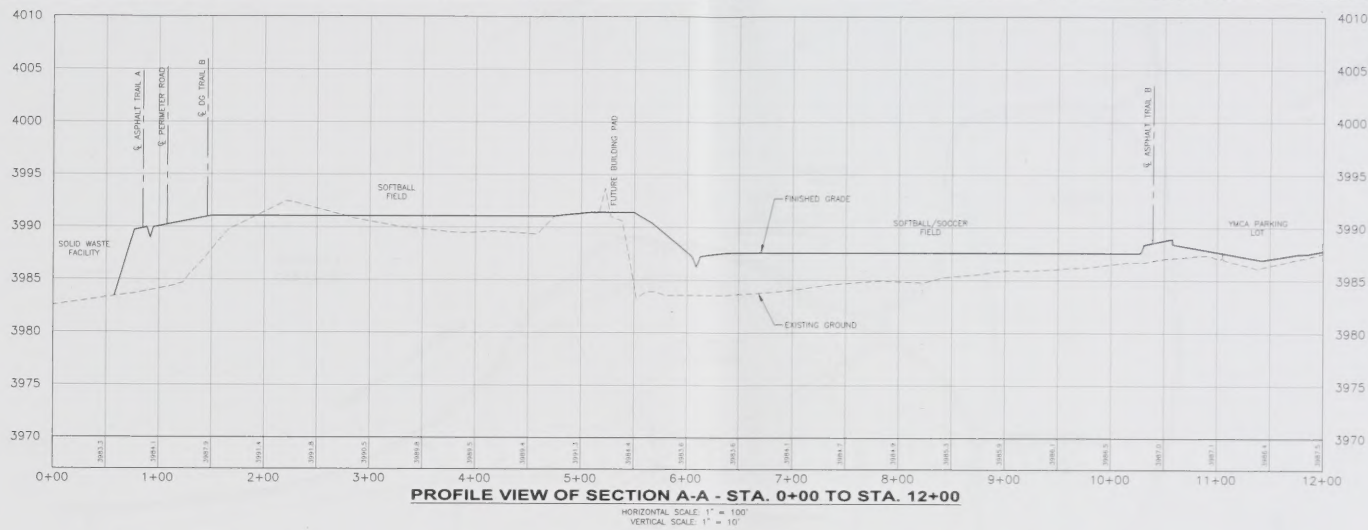
CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/752-5545 FAX 245-9855

Drawn by: BAA
Date: 11/15/09
Checked by: TKK
Date: 11/15/09
Rev: _____
Rev: _____
File: _____

SHEET
C-4



0 100 200
SCALE IN FEET



Centennial Park - 95% Submittal

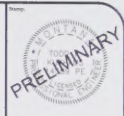
CARL THUESEN
A. S. I. A.

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5545 FAX 245-9855

Drawn by: _____ PUA
Date: _____ 11/18/09
Checked by: _____ TKK
Date: _____ 11/18/09
Rev: _____
Rev: _____
File: _____

SHEET
C-5



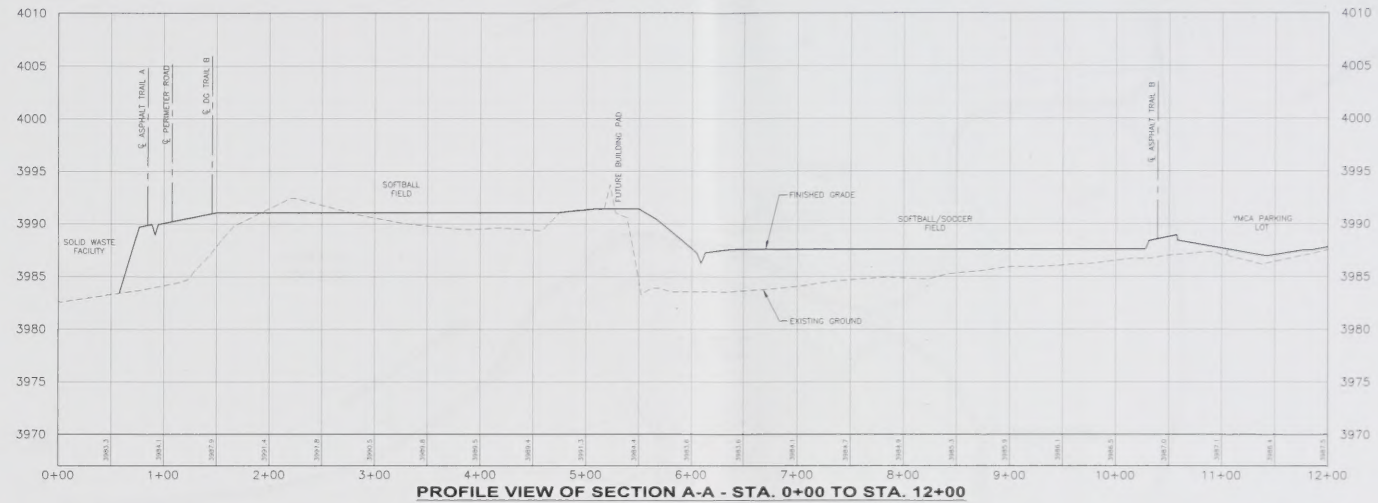
Centennial Park - 95% Submittal

FIELD SECTIONS

CARL THUESSEN
A S I A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1101 GRAND AVE. SUITE 101
P.O. BOX 22965
BELLINGHAM, WA 98226
PH: 360.339.1111 FAX: 360.339.1115

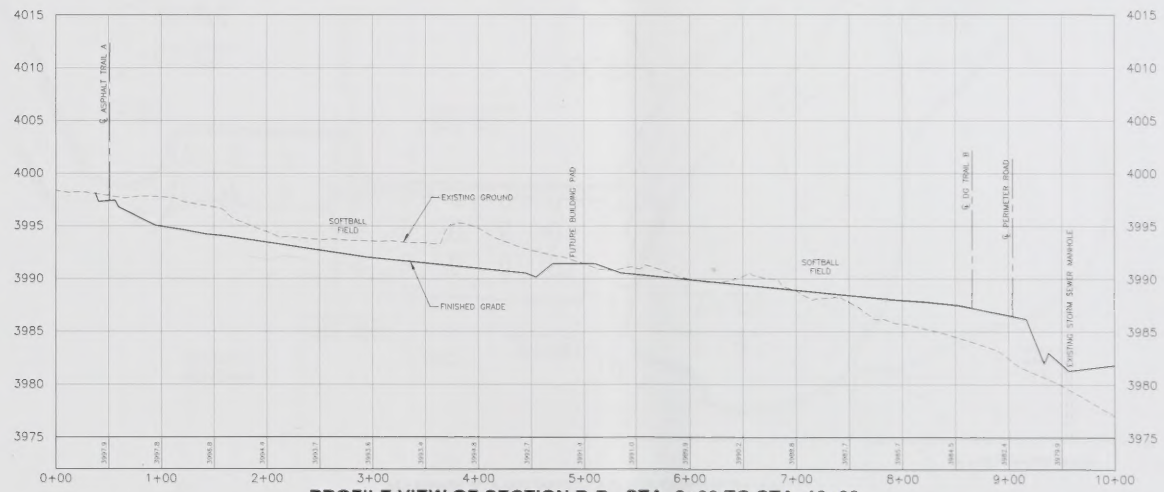
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Date: 11/10/07
Checked by: DNS
Date: 11/10/07
Rev: _____
Rev: _____
File: _____

SHEET
C-5



PROFILE VIEW OF SECTION A-A - STA. 0+00 TO STA. 12+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



PROFILE VIEW OF SECTION B-B - STA. 0+00 TO STA. 10+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'

C:\p\2007\Centennial Park - 95% Submittal - 11-10-07\DWG\Centennial Park - 95% Submittal - 11-10-07.dwg

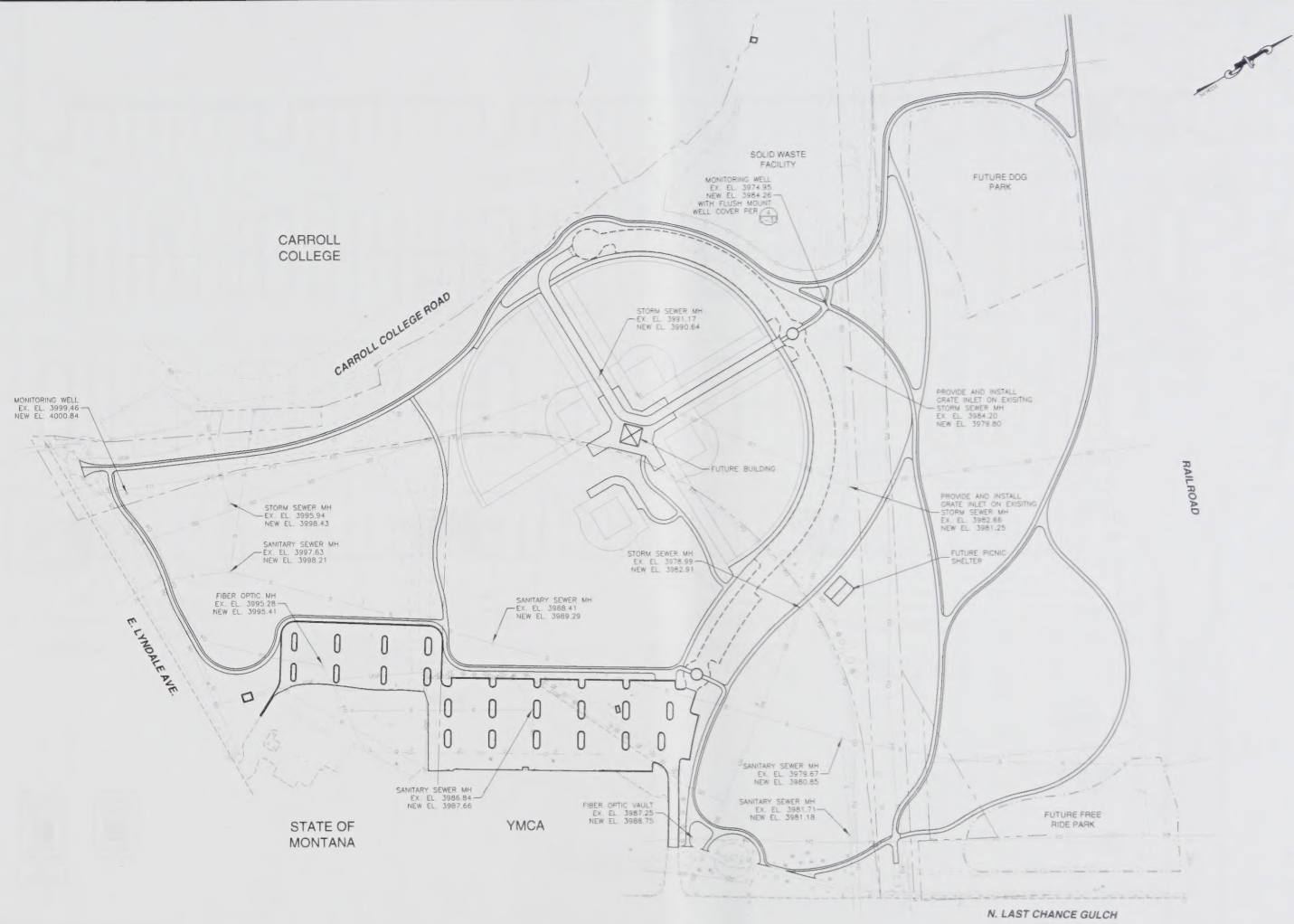


Centennial Park - 95% Submittal
MANHOLE AND WELL
ADJUSTMENT PLAN

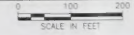
CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1025 GRAND AVE. SUITE 105
P.O. BOX 2044
BILLINGS, MT 59104
606/232-0545 FAX 232-0555

Drawn by: BAA
Date: 11/15/09
Checked by: THK
Date: 11/15/09
Rev: _____
File: _____

SHEET
C-6



MANHOLE AND WELL ADJUSTMENT PLAN





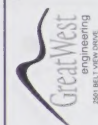
Centennial Park - 95% Submittal
MANHOLE AND WELL
ADJUSTMENT PLAN

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
11025 GRAND AVE. SUITE 100
PO BOX 22010
BOLLING, MD 20740
410.252.0448 FAX 245-9605

Drawn by: DA
Date: 1/18/03
Checked by: TH
Date: 1/18/03
Rev: _____
File: _____



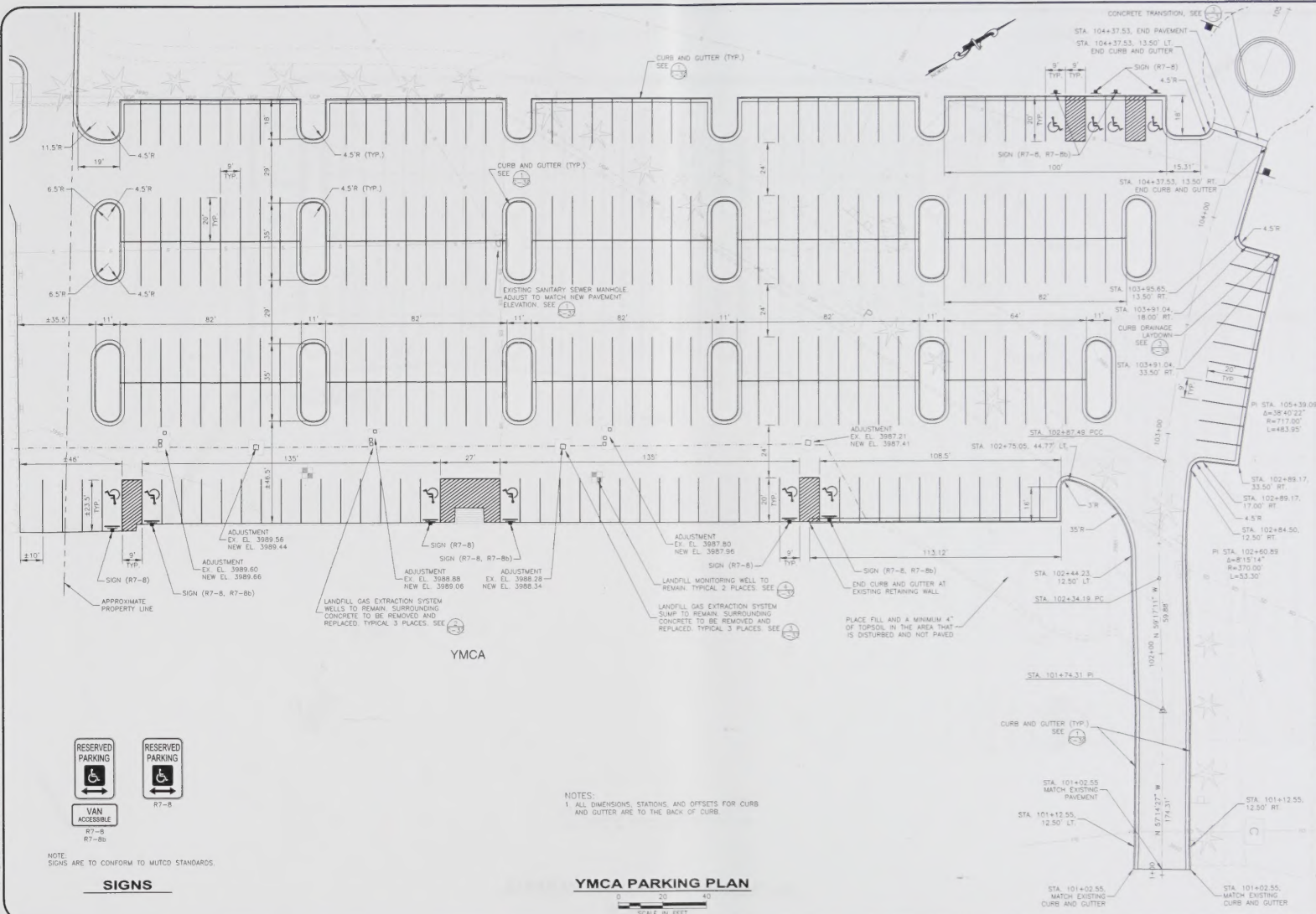
MANHOLE AND WELL ADJUSTMENT PLAN
0 100 200
SCALE IN FEET



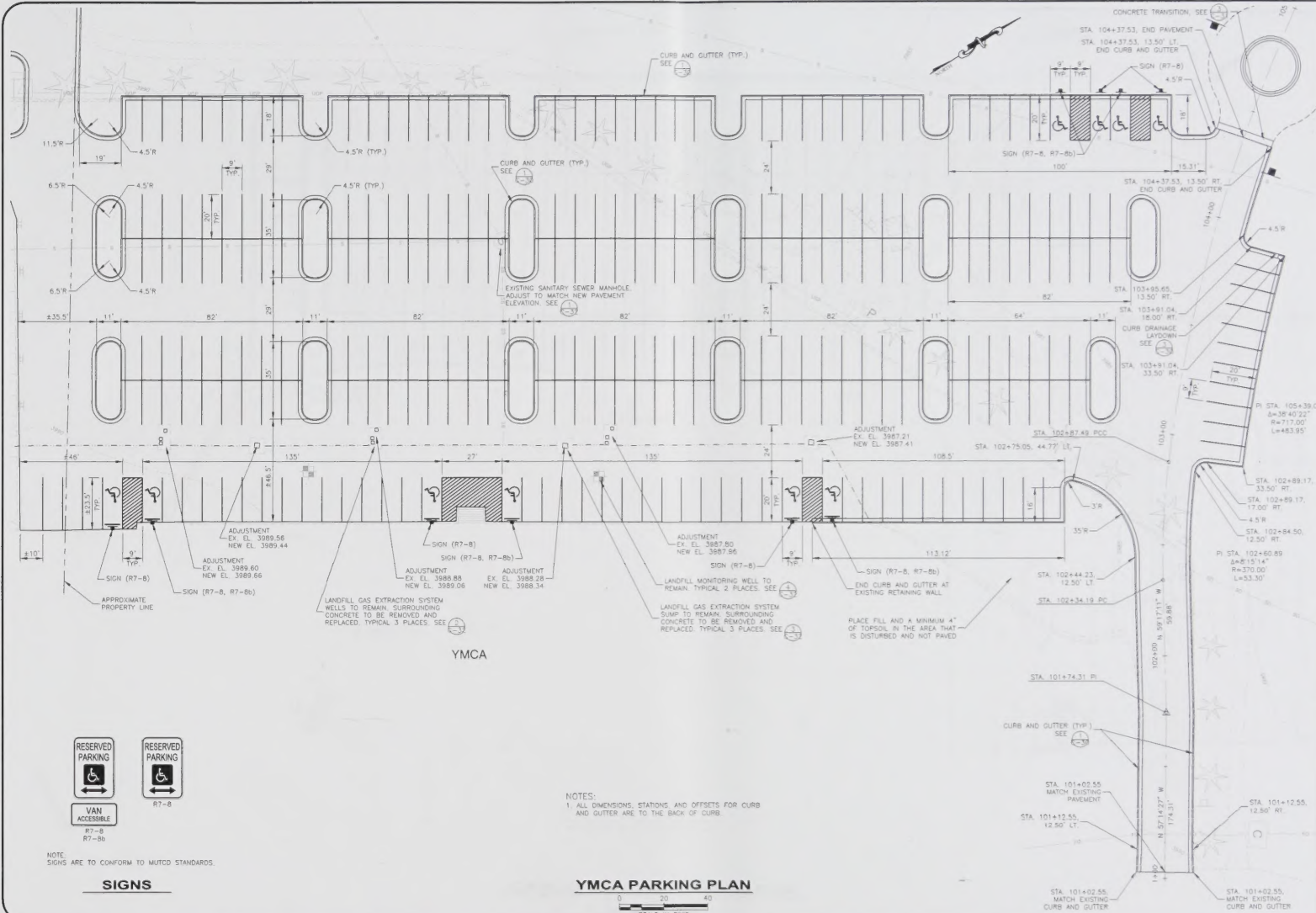
CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5545 FAX 245-9835

Drawn by: _____
Date: 11/15/07
Checked by: TKP
Date: 11/15/07
Rev: _____
Rev: _____
File: _____

SHEET
C-7



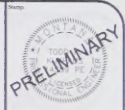
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SIGNS

YMCA PARKING PLAN

0 20 40
SCALE IN FEET



Centennial Park - 95% Submittal
YMCA PARKING PLAN

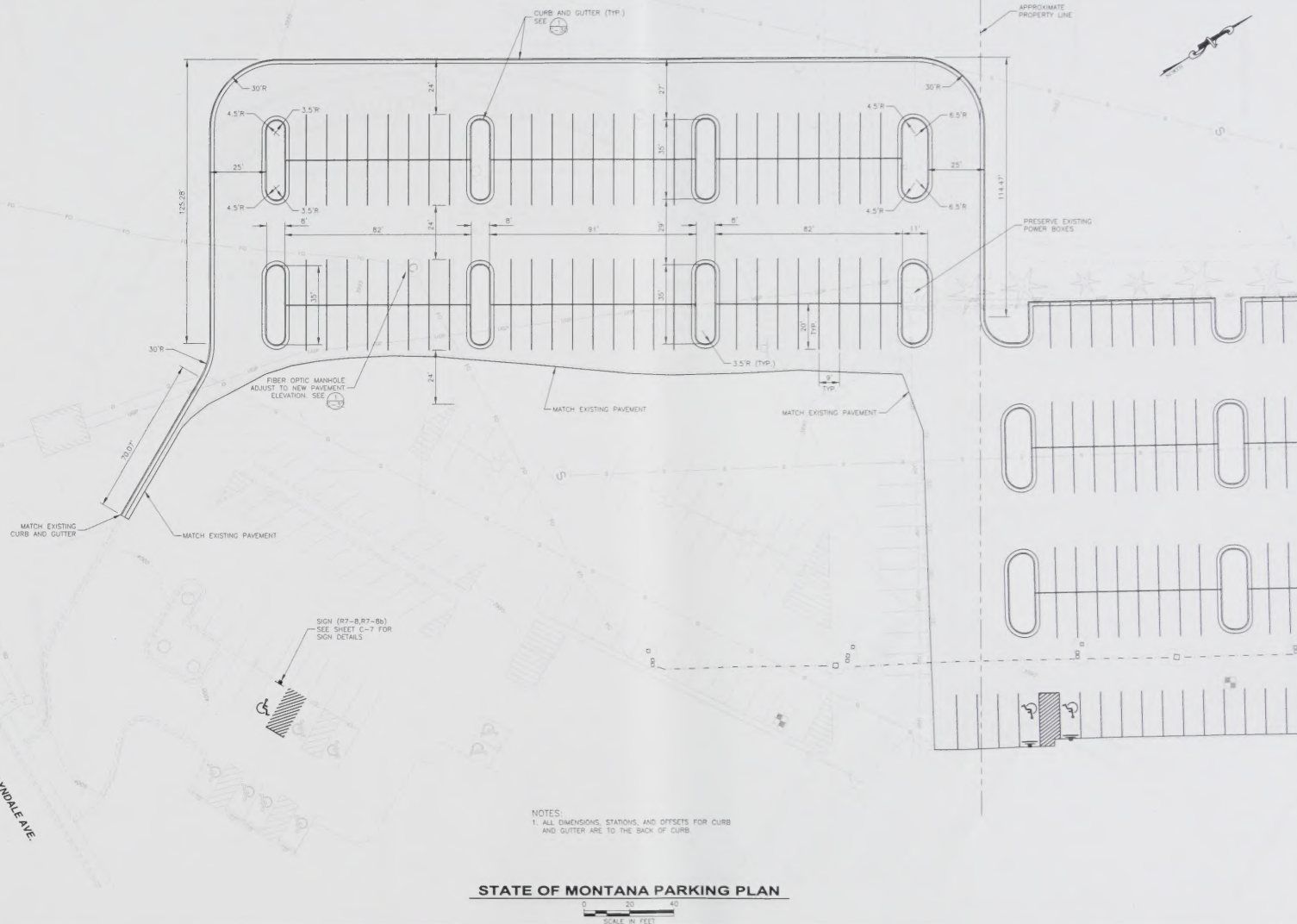
CARL THUESEN
A S C A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
105 GRAND AVE. SUITE 100
P.O. BOX 22943
BELLINGHAM, WA 98221
360.733.0553 FAX 360.733.0555

Drawn by: DAA
Date: 1/18/02
Checked by: TSK
Date: 1/18/02
Rev: _____
File: _____

SHEET
C-7

E:\Projects\2008\Centennial Park\Drawings\1-Submittal-95% Parking Plan.dwg

E LYNDALE AVE



NOTES:
1. ALL DIMENSIONS, STATIONS, AND OFFSETS FOR CURB AND GUTTER ARE TO THE BACK OF CURB.

STATE OF MONTANA PARKING PLAN

0 20 40
SCALE IN FEET



Centennial Park - 95% Submittal
STATE OF MONTANA
PARKING PLAN

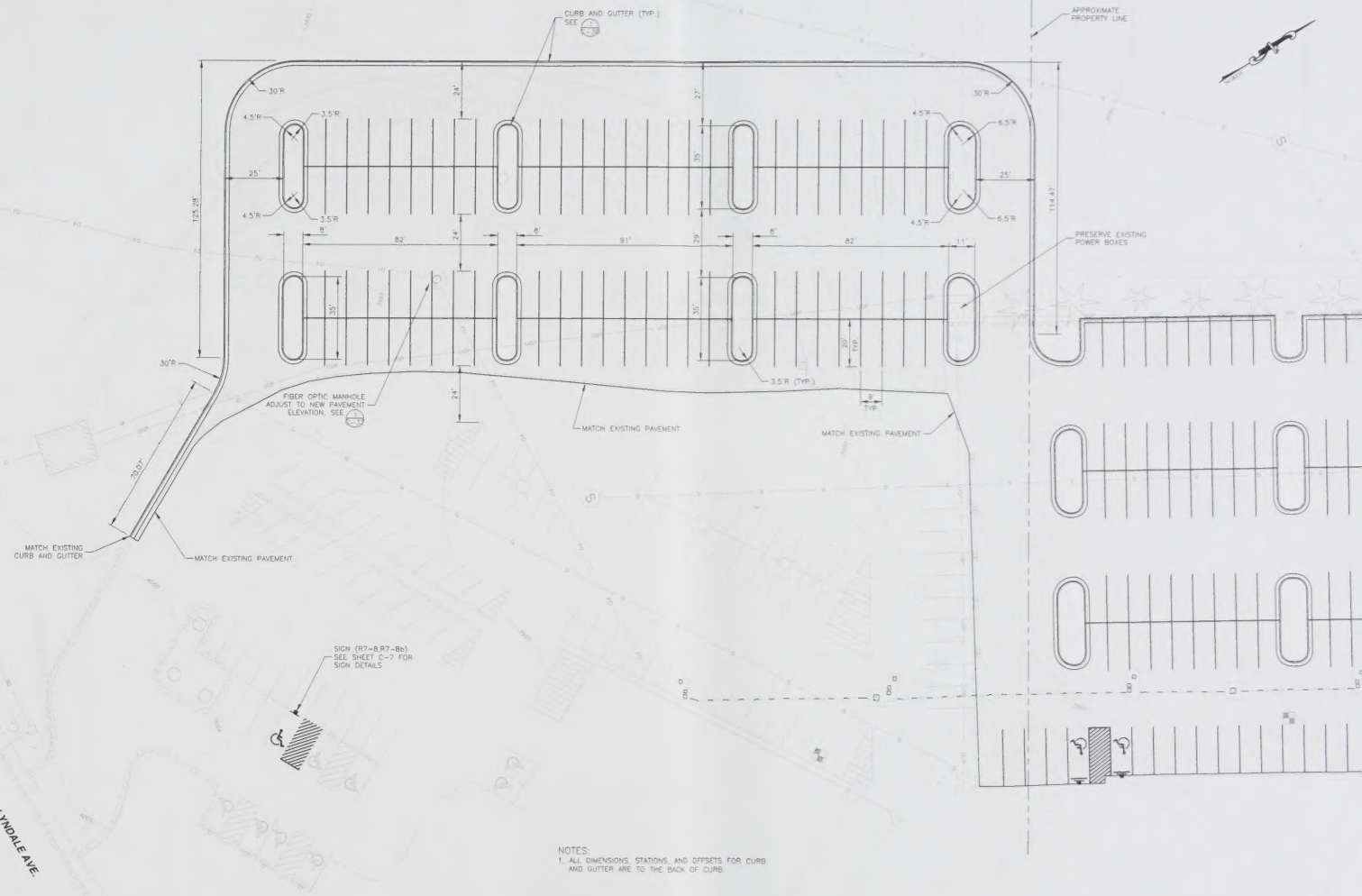
CARL THUESEN
A S T A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
6752 GRAND AVENUE, SUITE 100
P.O. BOX 22943
BILINGS, MT 59101
(406) 333-5540 FAX 406-365-9605

Drawn by: PJA
Date: 8/18/09
Checked by: THS
Date: 8/18/09
Rev: _____
Rev: _____
File: _____

SHEET
C-8

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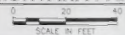
E. LINDALE AVE.



SIGN (R7-R87-R8)
SEE SHEET C-7 FOR
SIGN DETAILS

NOTES:
1. ALL DIMENSIONS, STATIONS, AND OFFSETS FOR CURB
AND GUTTER ARE TO THE BACK OF CURB.

STATE OF MONTANA PARKING PLAN



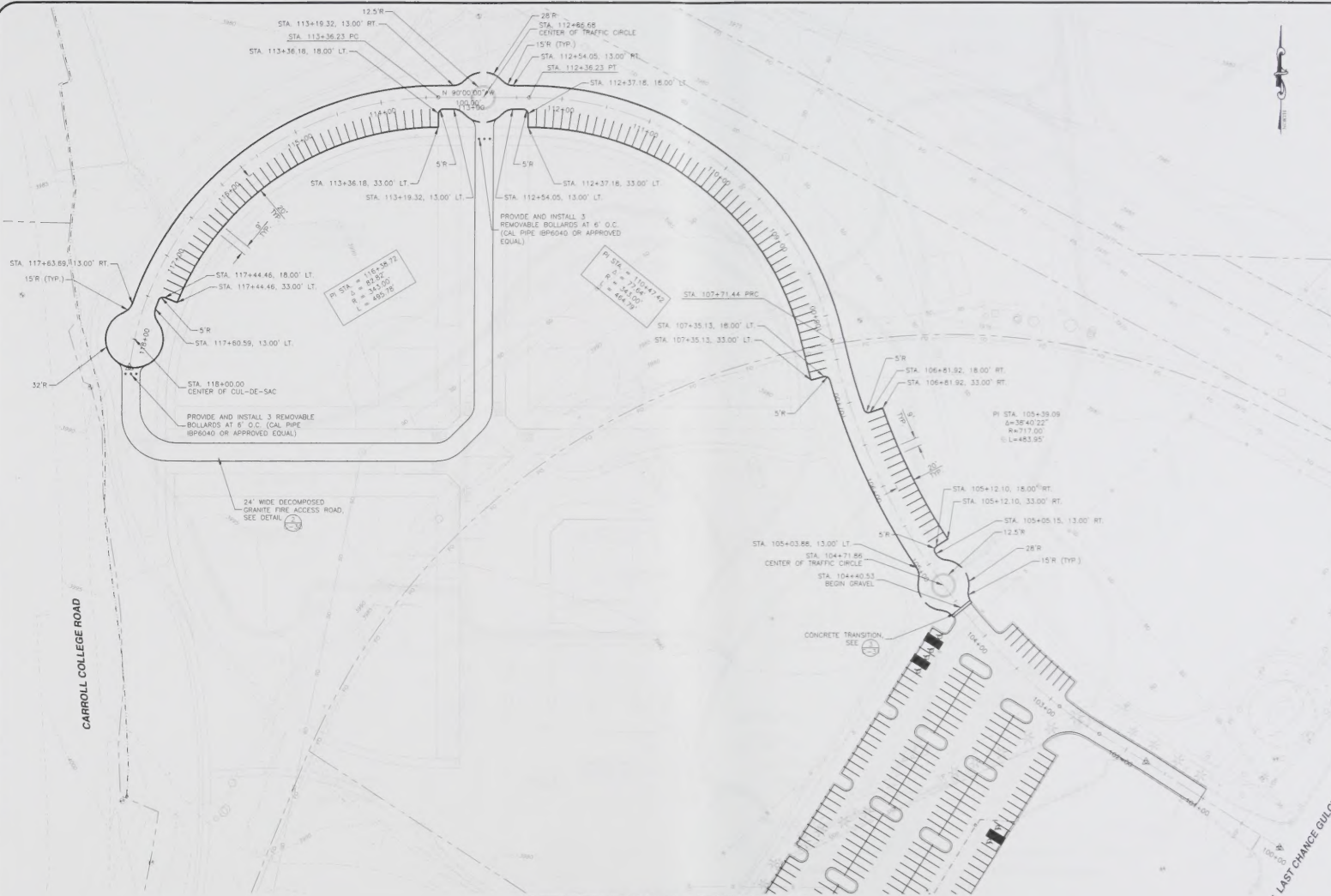
Centennial Park - 9.5% Submittal
STATE OF MONTANA
PARKING PLAN

CARL THUSEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1025 GRAND AVE. SUITE 100
P.O. BOX 22940
BILLINGS, MT 59102
606/233-0540 FAX 233-0655

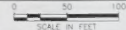
Drawn by: DAA
Date: 11/10/07
Checked by: TRK
Date: 11/10/07
Rev: _____
Rev: _____
File: _____

SHEET
C-8

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PERIMETER ROAD PARKING PLAN



N LAST CHANCE GULCH

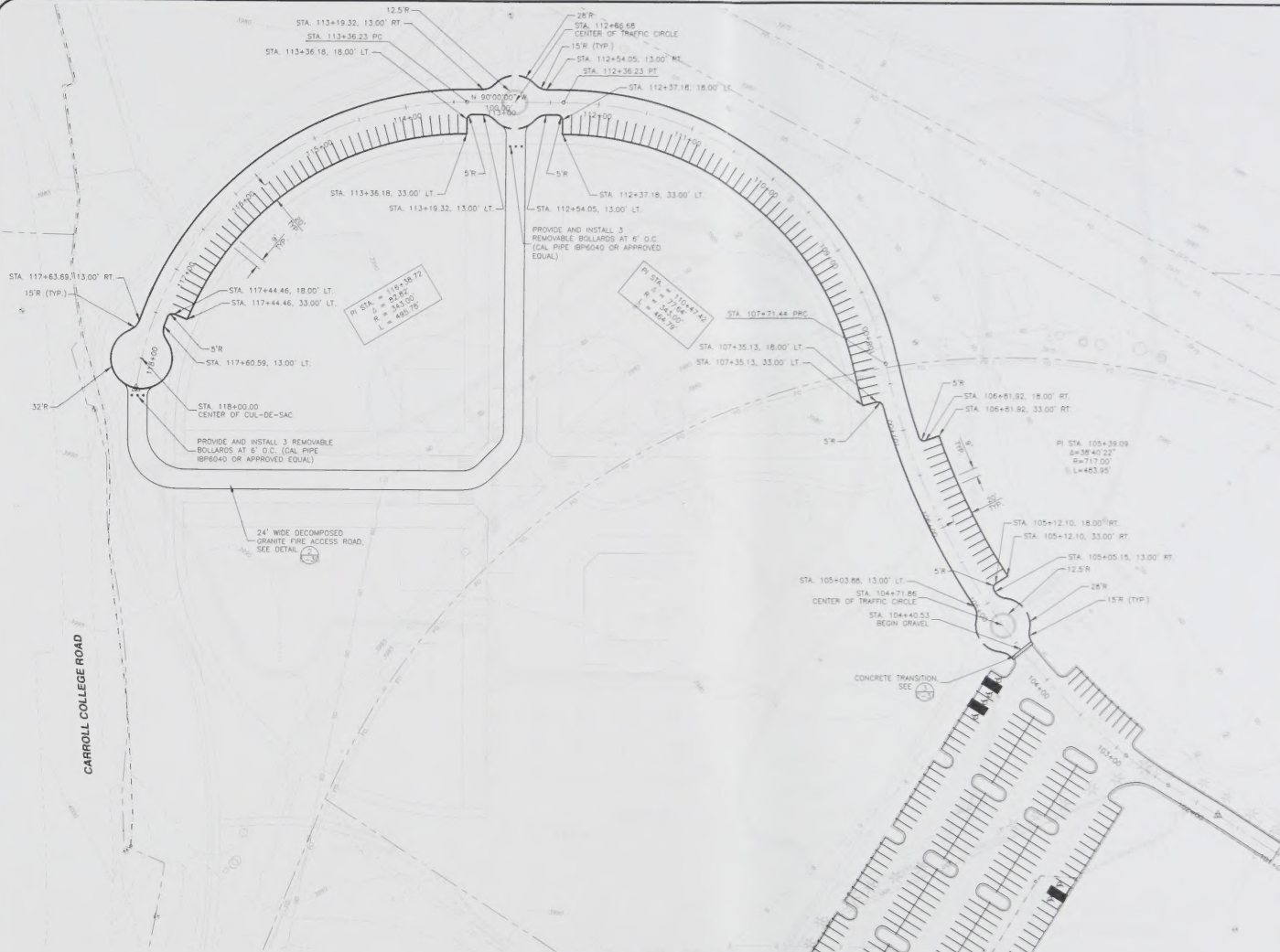


Centennial Park - 95% Submittal
PERIMETER ROAD
PARKING PLAN

CARL THUESSEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
100 GRANDVIEW SQUARE DR.
P.O. BOX 22940
BILLINGS, MT 59108
406-253-5545 FAX 406-465-4655

Drawn by: DAA
Date: 11/15/20
Checked by: TNS
Date: 11/15/20
Rev: _____
File: _____

CARROLL COLLEGE ROAD



PERIMETER ROAD PARKING PLAN

0 50 100
SCALE IN FEET

PRELIMINARY

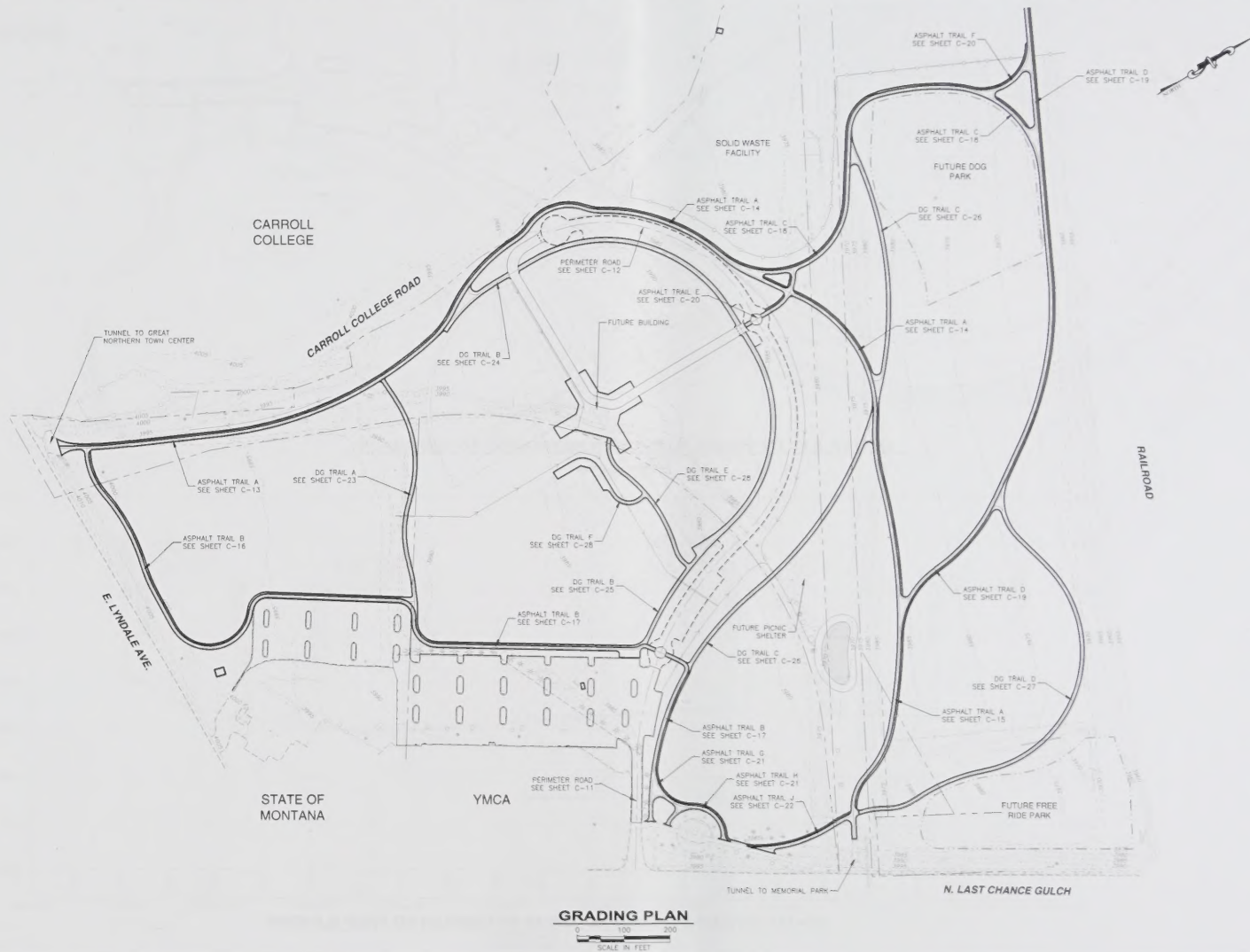
GreatWest
engineering
2001 N. 1ST AVE.
BILLINGS, MT 59104
(406) 252-0481

Centennial Park - 95% Submittal
PERIMETER ROAD
PARKING PLAN

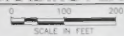
CARL THUESSEN
A S E A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1025 GRAND AVE. SUITE 100
P.O. BOX 2040
BILLINGS, MT 59104
(406) 252-0481 FAX 252-9655

Drawn by: DAA
Date: 6/18/03
Checked by: TKR
Date: 6/18/03
Rev: _____
File: _____

SHEET
C-9



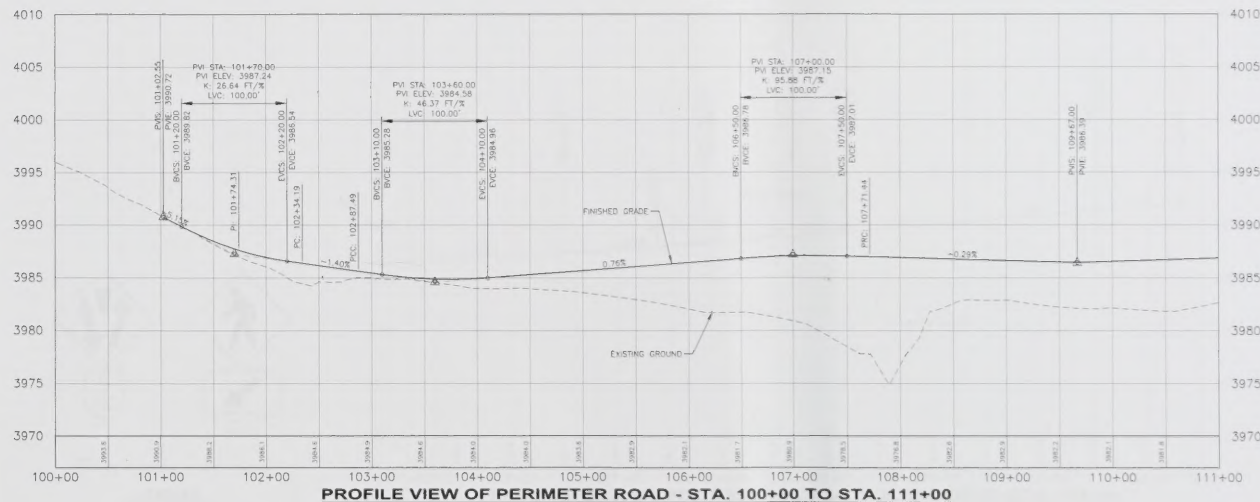
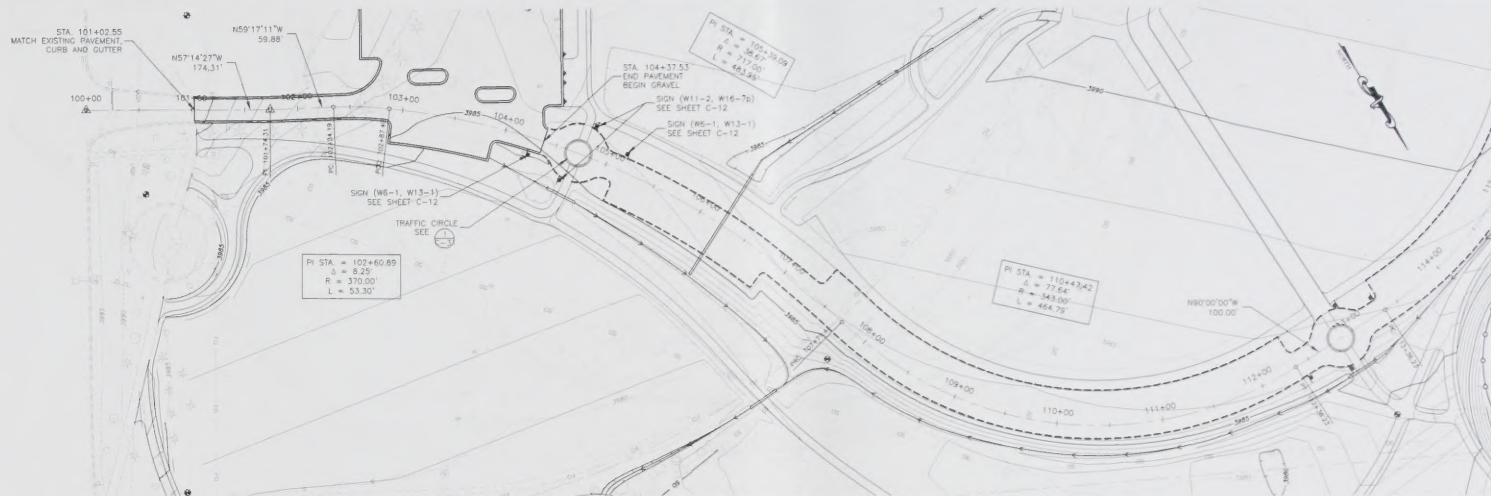
GRADING PLAN



Centennial Park - 95% Submittal ROAD AND TRAIL PLAN

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1020 GRAND AVE. SUITE 100
PO BOX 20444
BIRMINGHAM, AL 35204
205-253-0540 FAX 205-9875

Drawn by: BAA
Date: 11/15/27
Checked by: TRL
Date: 11/15/27
Rev: _____
Rev: _____
File: _____



PERIMETER ROAD
PLAN AND PROFILE

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/257-5545 FAX 406/257-5545

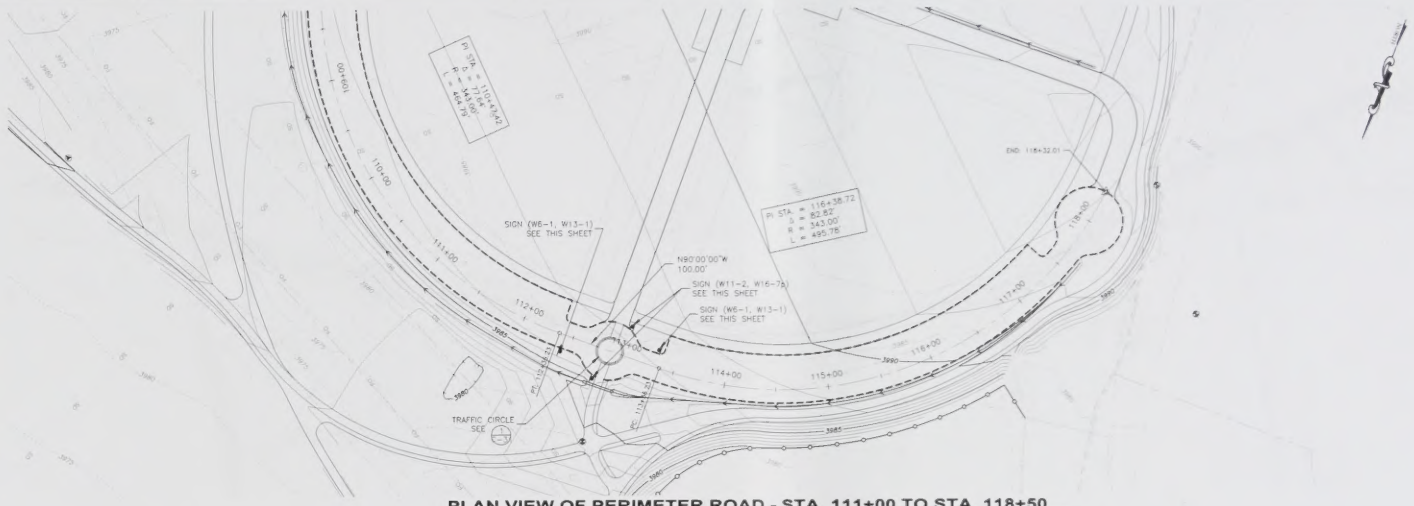
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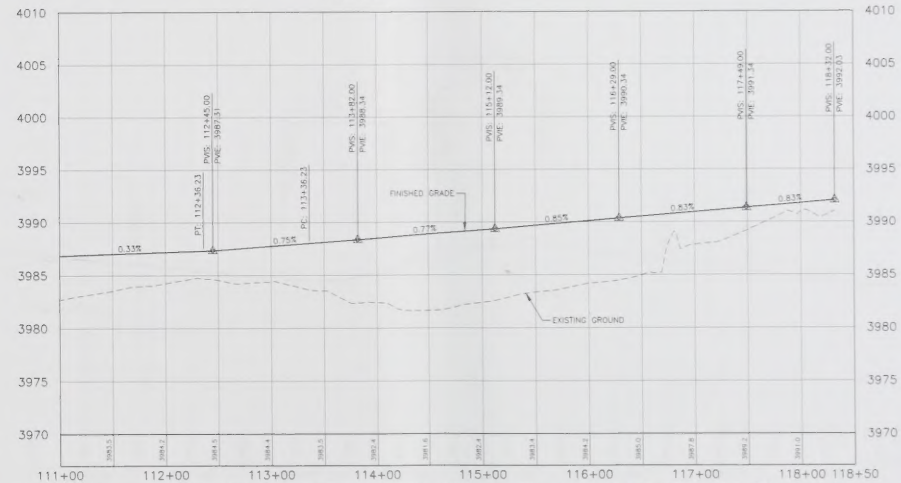
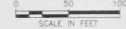
Centennial Park - 95% Submittal
PERIMETER ROAD
PLAN AND PROFILE

CARL THUESEN
A S I A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
P20 GRAND AVE. SUITE 100
P.O. BOX 2900
BILLINGS, MT 59104
406.252-0545 FAX 245-4855

Drawn by: BAA
Date: 11/18/07
Checked by: THK
Date: 11/18/07
Rev: _____
File: _____



PLAN VIEW OF PERIMETER ROAD - STA. 111+00 TO STA. 118+50



PROFILE VIEW OF PERIMETER ROAD - STA. 111+00 TO STA. 118+50

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



5
M.P.H.
W6-1
W13-1

W11-2
W16-7p

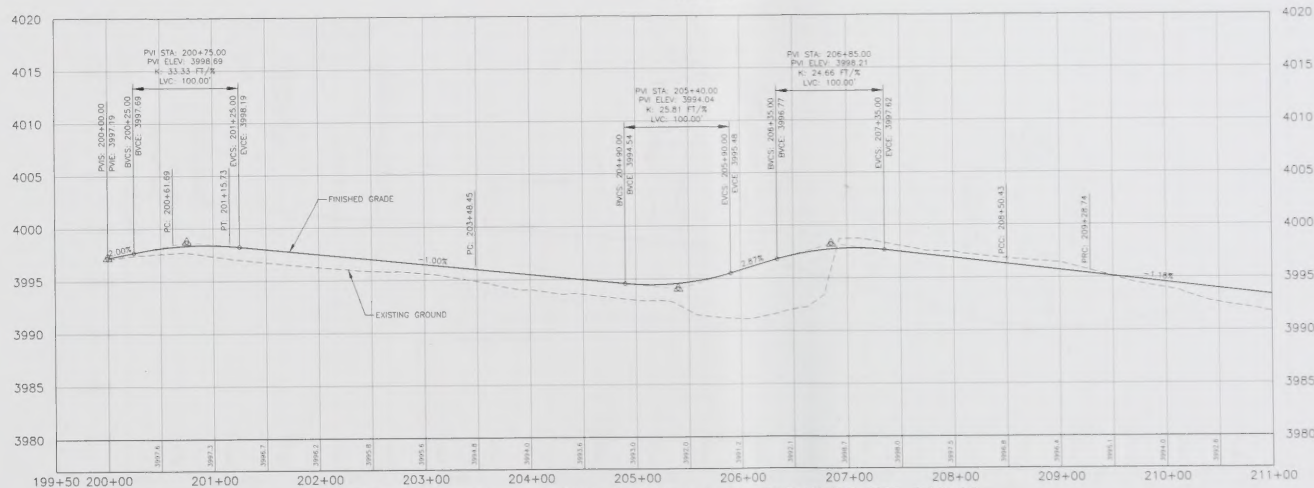
NOTE:
SIGNS ARE TO CONFORM TO MUTCD STANDARDS.

SIGNS

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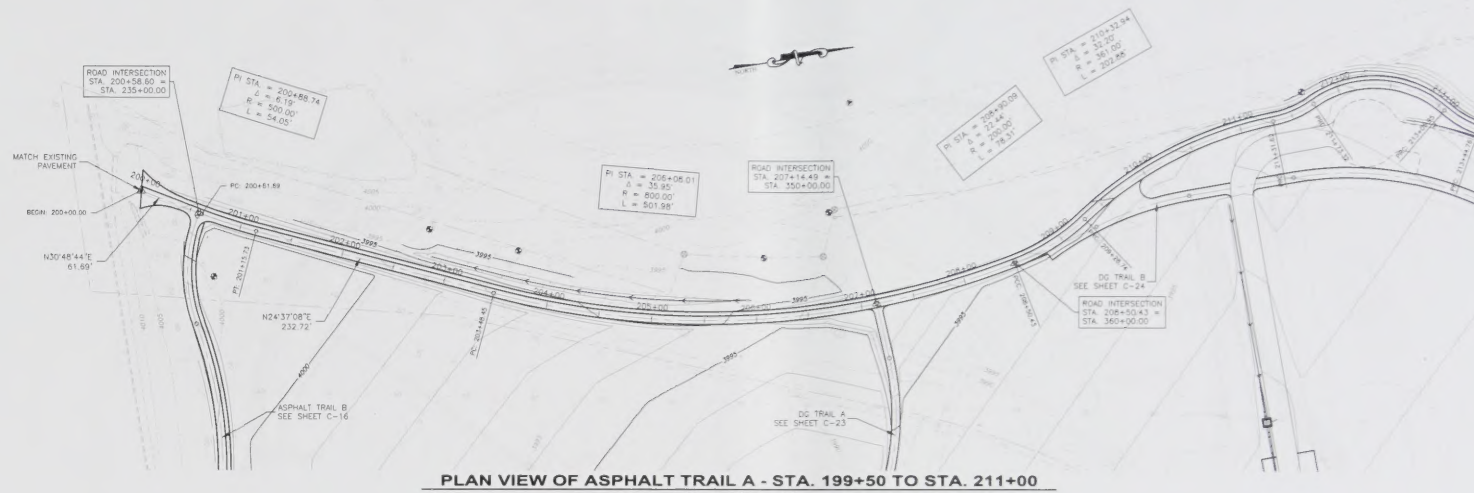


PLAN VIEW OF ASPHALT TRAIL A - STA. 199+50 TO STA. 211+00

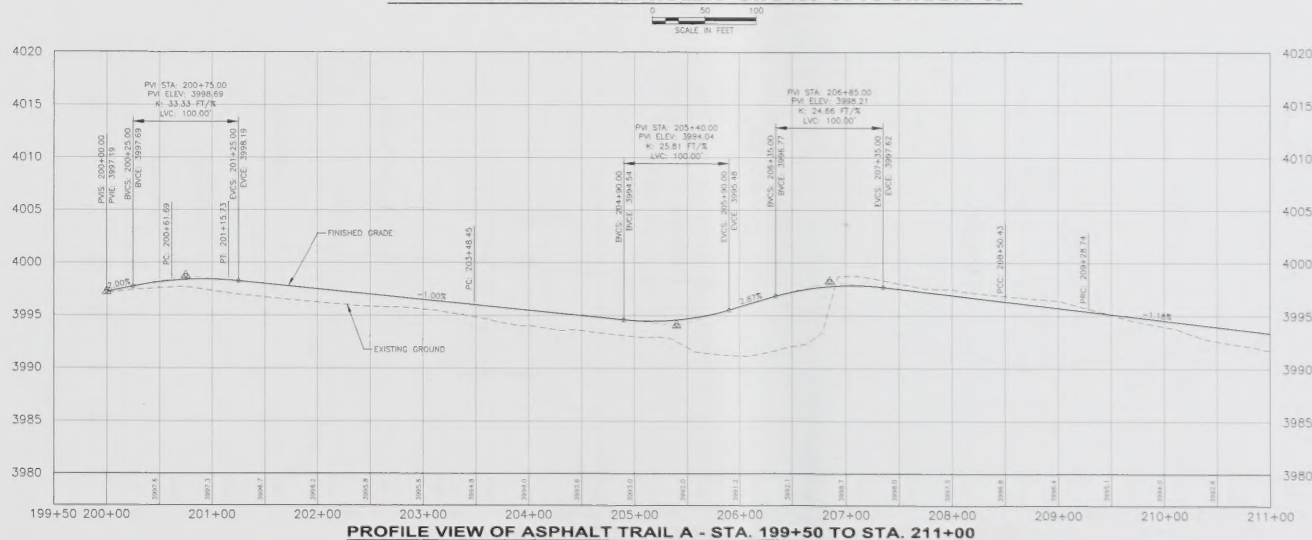


PROFILE VIEW OF ASPHALT TRAIL A - STA. 199+50 TO STA. 211+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



PLAN VIEW OF ASPHALT TRAIL A - STA. 199+50 TO STA. 211+00



PROFILE VIEW OF ASPHALT TRAIL A - STA. 199+50 TO STA. 211+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



Centennial Park - 95% Submittal

CARL THUESEN

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1925 GRAND AVE. SUITE 100
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5545 FAX 245-9855

Drawn by: _____ DA _____

Checked by: TKG

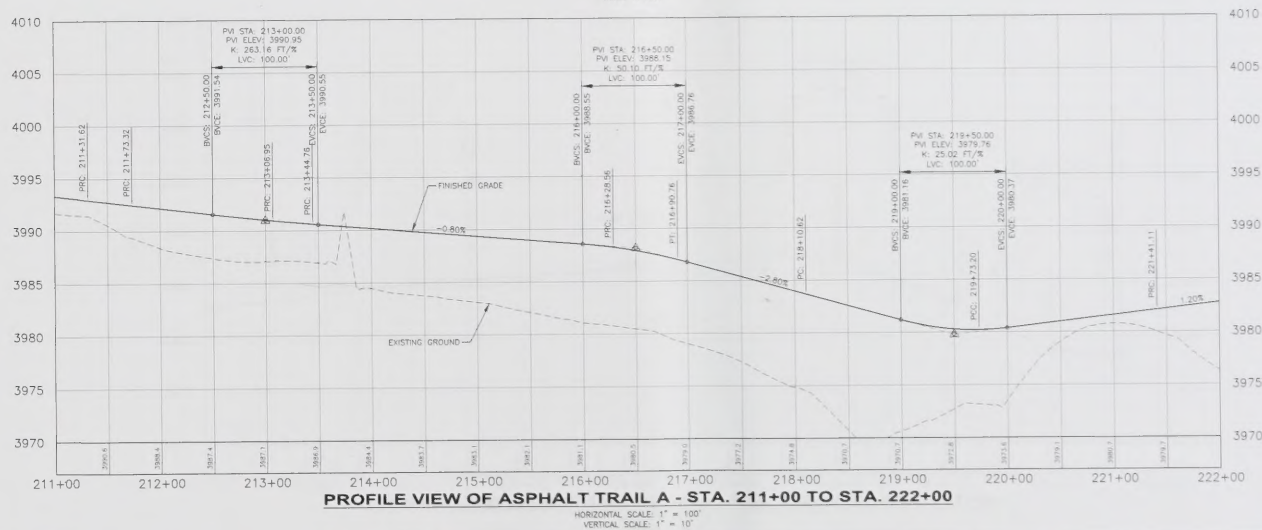
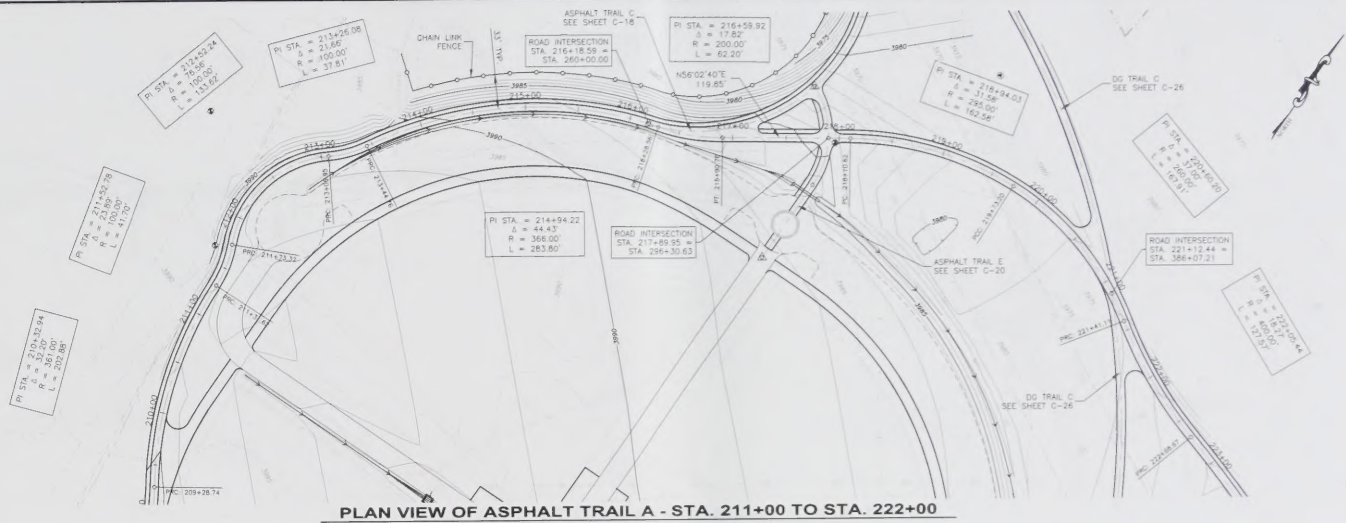
Date: 11/15/01

Rev: _____

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SHEET

C-13



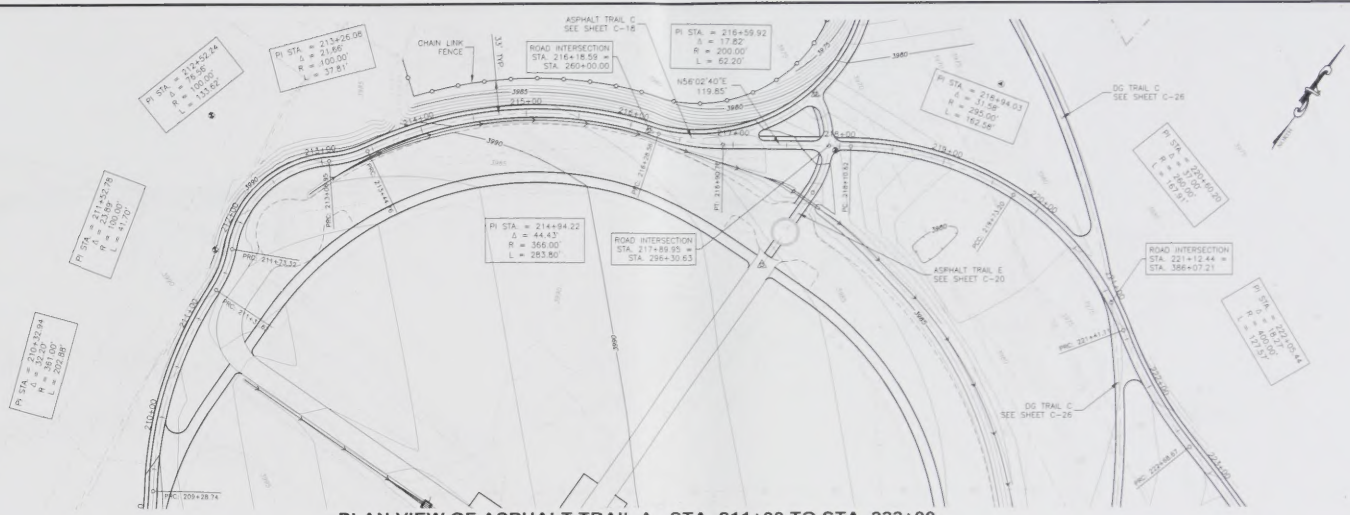
Centennial Park - 95% Submittal
ASPHALT TRAIL A
PLAN AND PROFILE

CARL THUESSEN
A S T A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1902 GRAND AVE. SUITE 100
P.O. BOX 2204
BELLINGHAM, WA 98244
408.252.0543 FAX 408.245.9855

Drawn by: DAA
Date: 11/15/07
Checked by: THK
Date: 11/15/07
Rev: _____
File: _____

SHEET
C-14

P:\11-08\11-08-01\11-08-01.dwg Plot Date: 11/10/2011 Plot Time: 11:00:00 Plot User: J. L. H. Plot Scale: 1" = 100'



PLAN VIEW OF ASPHALT TRAIL A - STA. 211+00 TO STA. 222+00



PROFILE VIEW OF ASPHALT TRAIL A - STA. 211+00 TO STA. 222+00

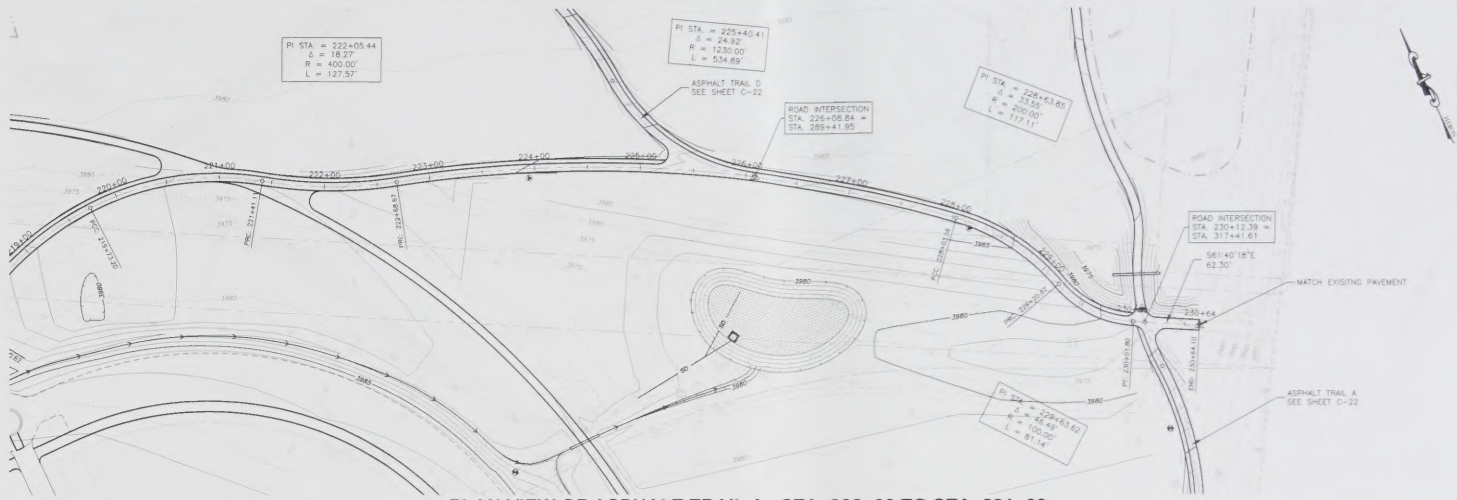


Centennial Park - 95% Submittal
ASPHALT TRAIL A
PLAN AND PROFILE

CARL THUESEN
A S L A
 GOLF COURSE ARCHITECTURE
 LANDSCAPE ARCHITECTURE
 1025 GRAND AVE. SUITE 100
 F.O. BOX 2040
 BELLINGHAM, WA 98225
 408.252.5543 FAX 408.245-0635

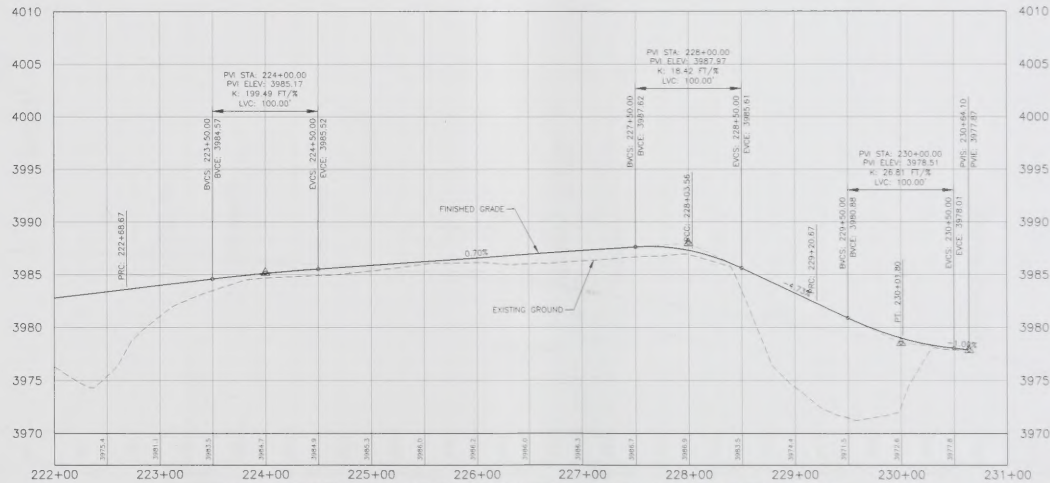
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 Date: **11/10/2011**
 Checked by: **TKK**
 Date: **11/10/2011**
 Rev: _____
 Rev: _____
 File: _____

SHEET
C-14



PLAN VIEW OF ASPHALT TRAIL A - STA. 222+00 TO STA. 231+00

0 50 100
SCALE IN FEET



PROFILE VIEW OF ASPHALT TRAIL A - STA. 222+00 TO STA. 231+00

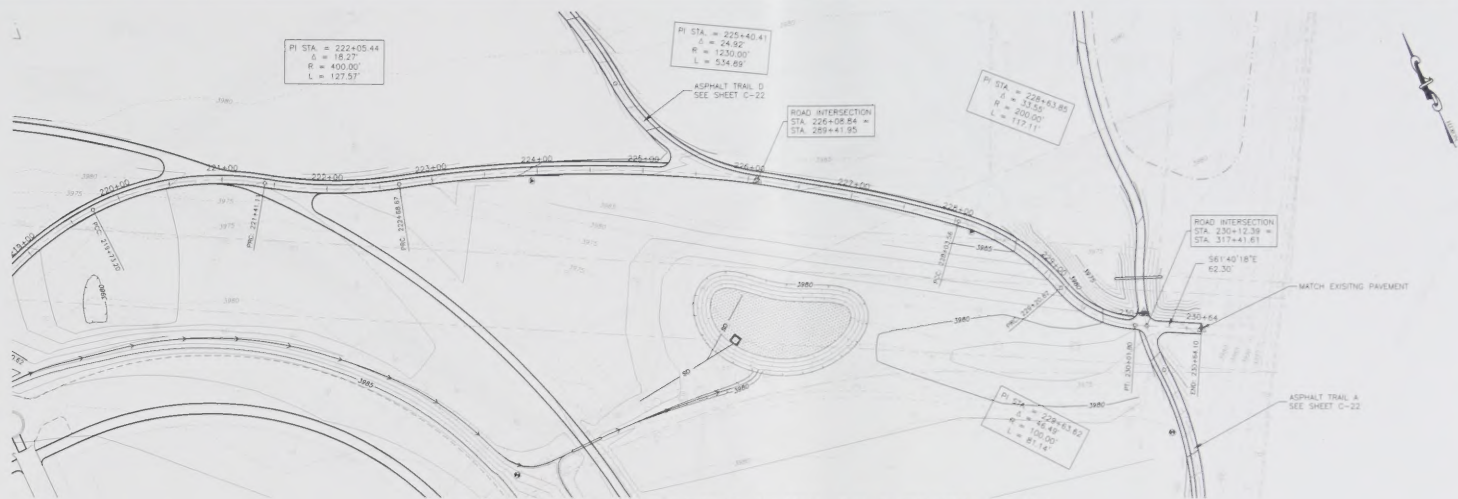
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VERTICAL SCALE: 1" = 10'



Centennial Park - 95% Submittal
ASPHALT TRAIL A
PLAN AND PROFILE

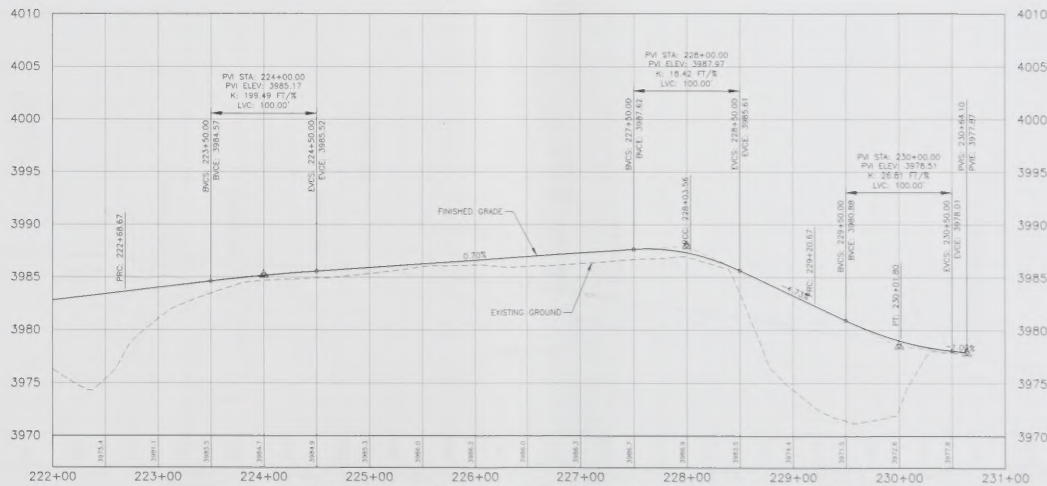
CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1929 GRAND AVE. SUITE 110
F.O. BOX 22943
BILINGS, MT 59106
406/232-5443 FAX 245-9855

Drawn by: DAA
Date: 11/16/07
Checked by: TJK
Date: 11/16/07
Rev: _____
Rev: _____
File: _____



PLAN VIEW OF ASPHALT TRAIL A - STA. 222+00 TO STA. 231+00

0 50 100
SCALE IN FEET



PROFILE VIEW OF ASPHALT TRAIL A - STA. 222+00 TO STA. 231+00

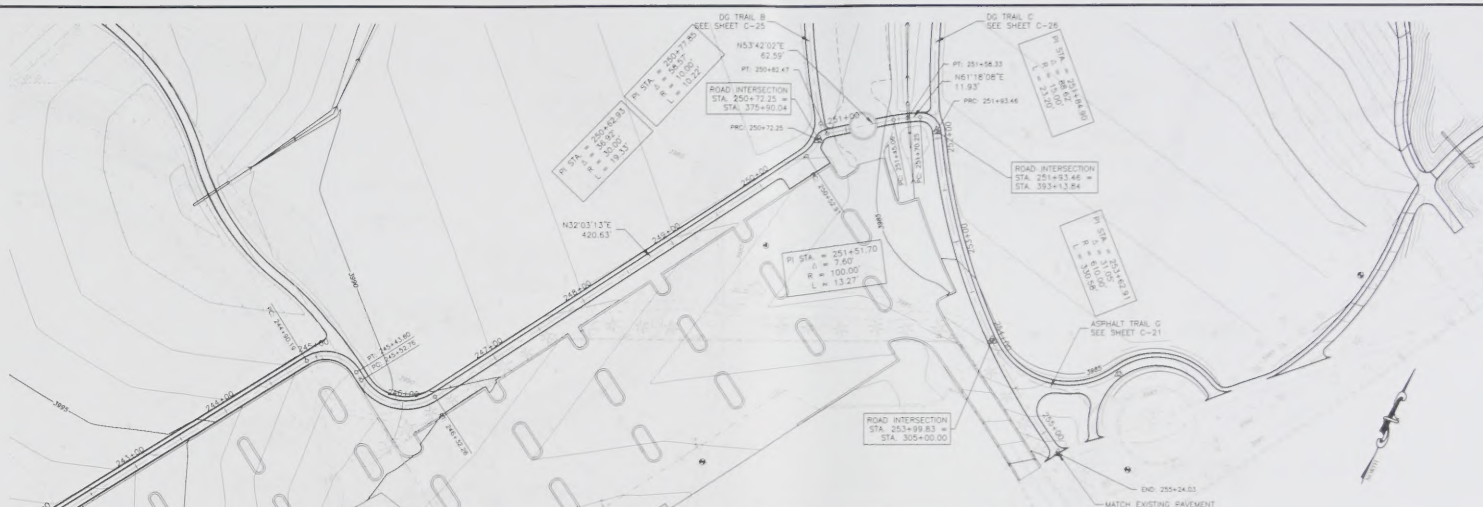
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VERTICAL SCALE: 1" = 10'



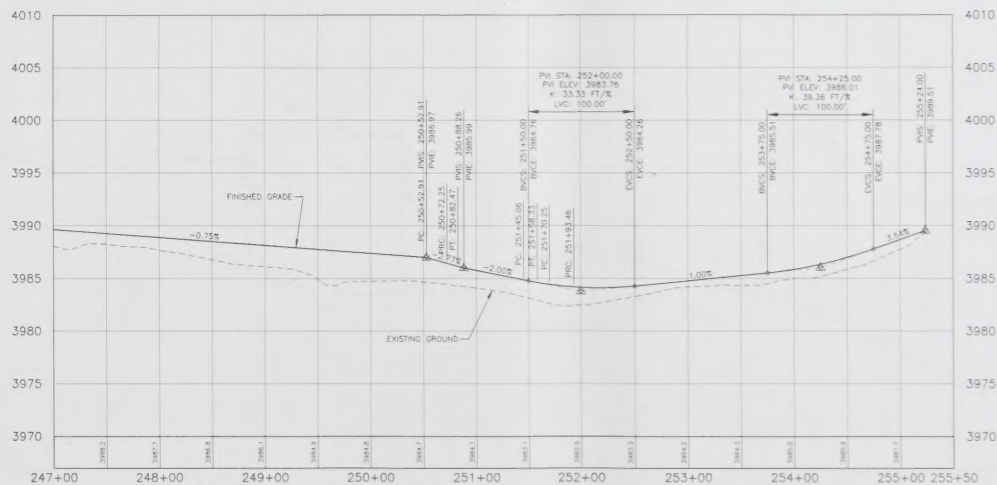
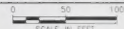
Centennial Park - 95% Submittal
ASPHALT TRAIL A
PLAN AND PROFILE

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1103 CROOKSVILLE SLATE DR.
P.O. BOX 1000
MILLERSVILLE, MD 21104
410-251-1801 FAX 410-965-9655

Drawn by: DM
Date: 11/15/07
Checked by: TKC
Date: 11/15/07
Rev: _____
File: _____



PLAN VIEW OF ASPHALT TRAIL B - STA. 247+00 TO STA. 255+50



PROFILE VIEW OF ASPHALT TRAIL B - STA. 247+00 TO STA. 255+50

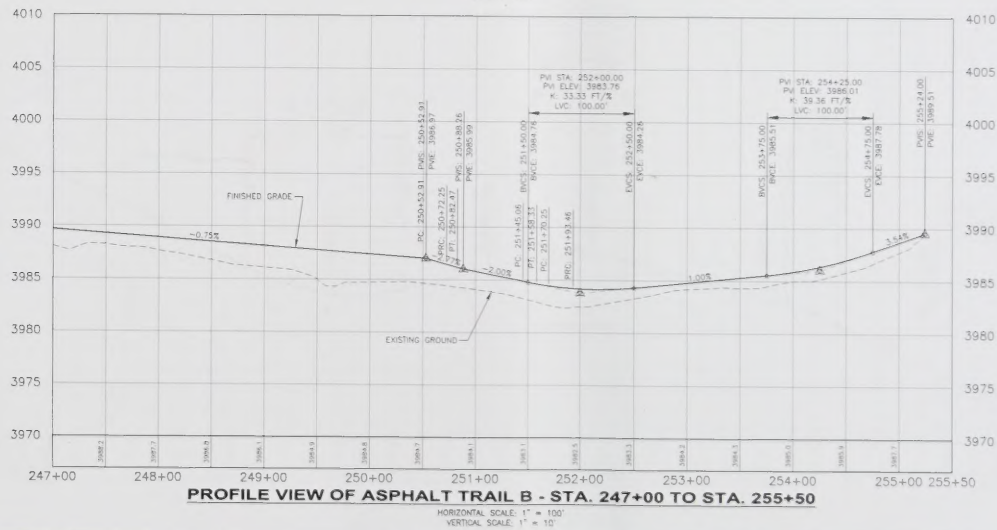
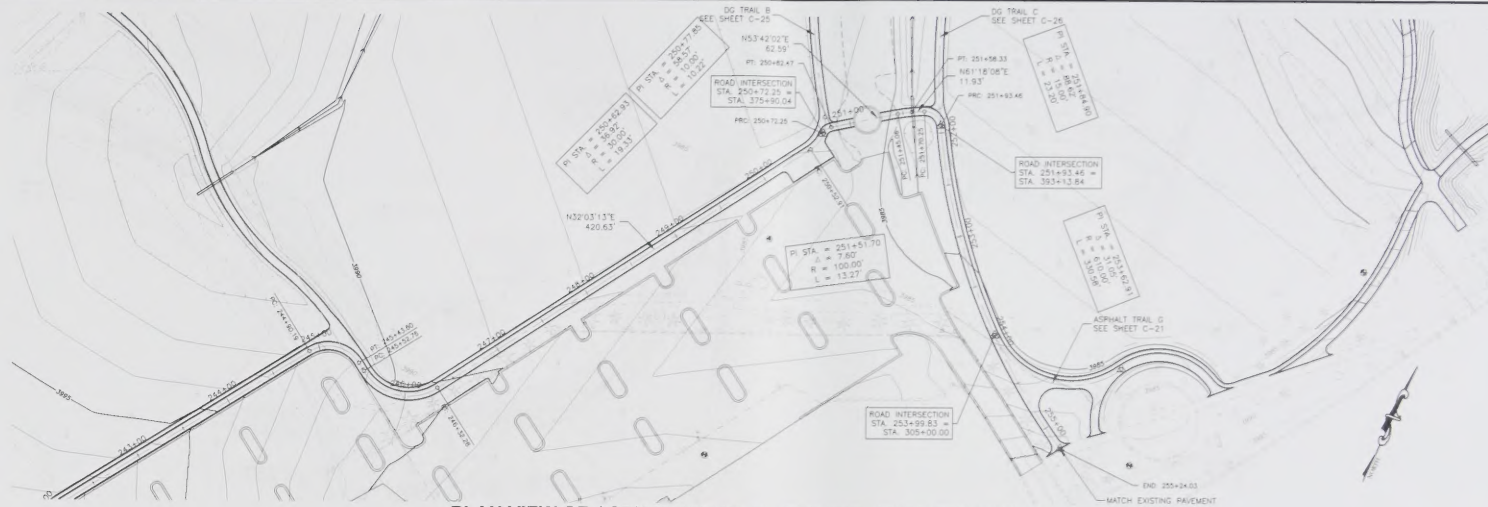
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



Centennial Park - 95% Submittal
ASPHALT TRAIL B
PLAN AND PROFILE

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
P.O. BOX 22945
BILLINGS, MT 59108
406.233.5419 FAX 406.465.4655

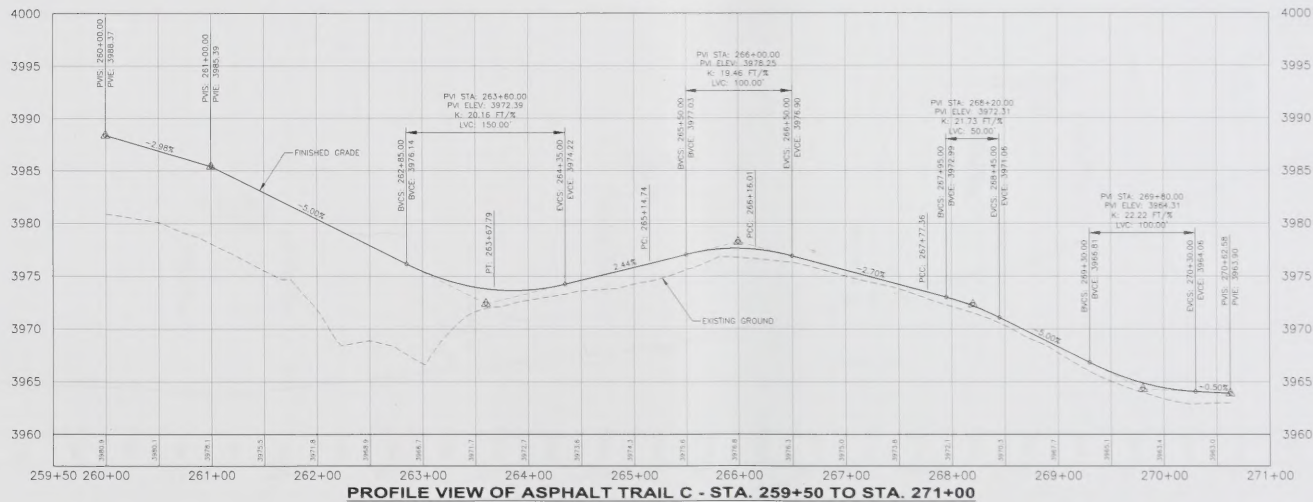
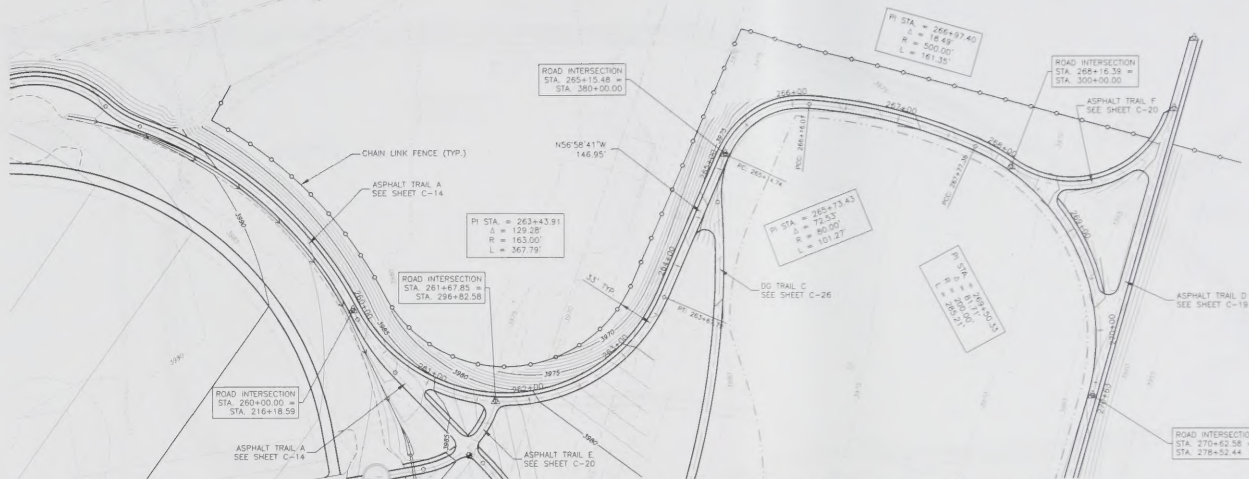
Drawn by: DAA
Date: 11/16/07
Checked by: TNA
Date: 11/16/07
Rev: _____
File: _____



Centennial Park - 95% Submittal

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5545 FAX 245-9853

Drawn by: BAA
 Date: 11/15/09
 Checked by: TKK
 Date: 11/15/09
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Centennial Park - 95% Submittal
ASPHALT TRAIL C
PLAN AND PROFILE

CARL THUESSEN
 A S L A
 GOLF COURSE ARCHITECTURE
 LANDSCAPE ARCHITECTURE
 P.O. BOX 2943
 BELLINGHAM, WA 98201
 360.735.1000 FAX 360.735.1001

Drawn by: **DA**
 Date: **11/10/03**
 Checked by: **TKK**
 Date: **11/10/03**
 Rev: _____
 File: _____

SHEET
C-18

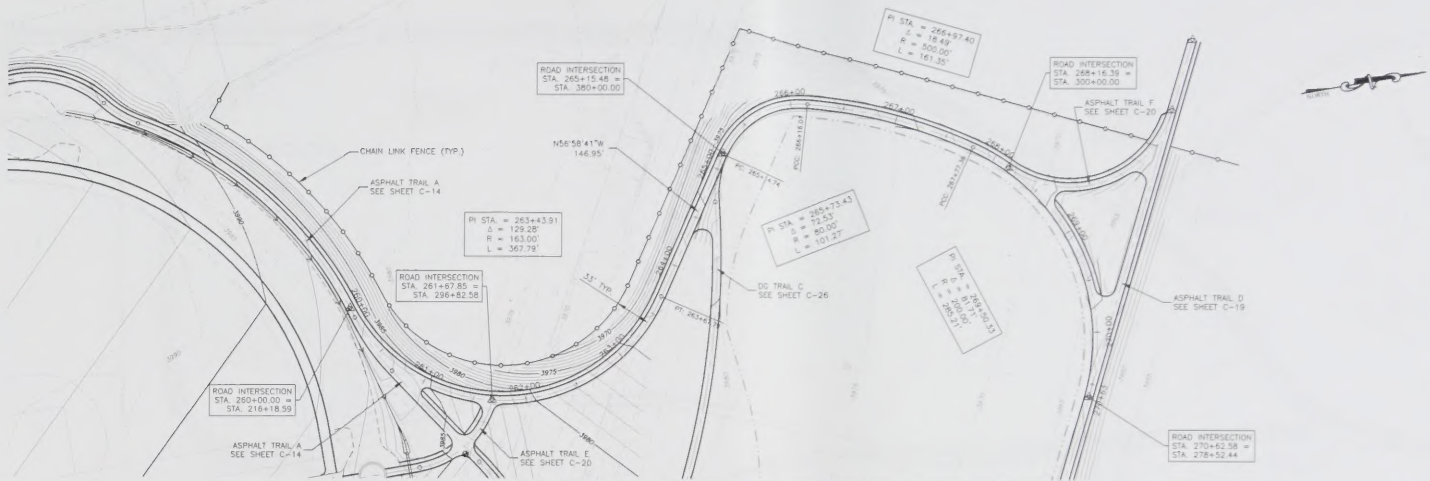


Centennial Park - 95% Submittal
ASPHALT TRAIL C
PLAN AND PROFILE

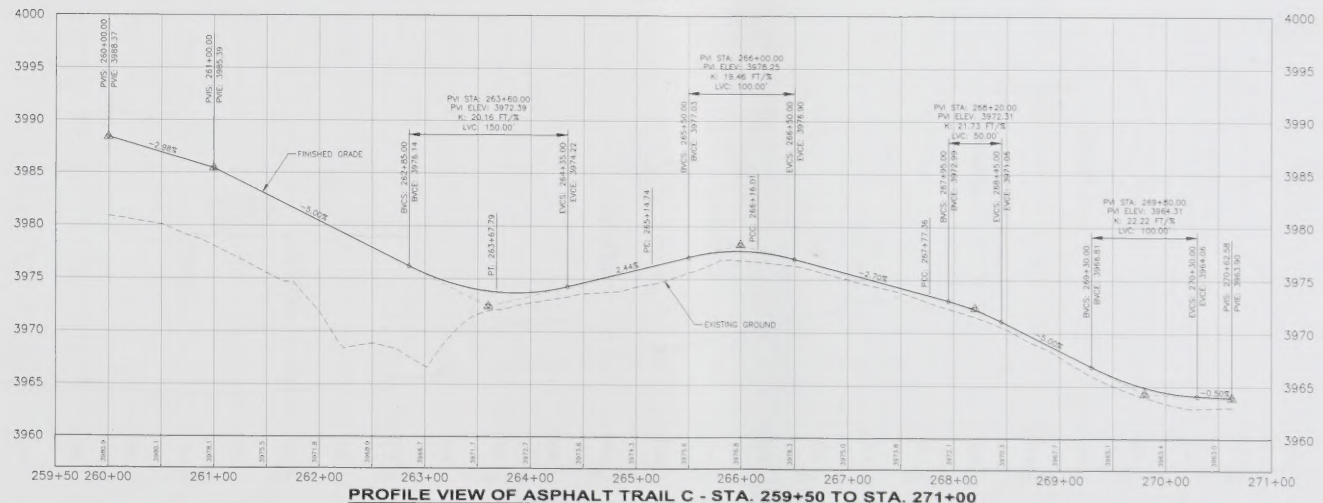
CARL THUESSEN
A S T A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1755 GRANDVIEW DRIVE, SUITE 100
P.O. BOX 22541
BILLSVILLE, MD 21034
(301) 222-1545 FAX 210-9605

Drawn by: RAA
Date: 11/15/07
Checked by: TRC
Date: 11/15/07
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File: _____

SHEET
C-18



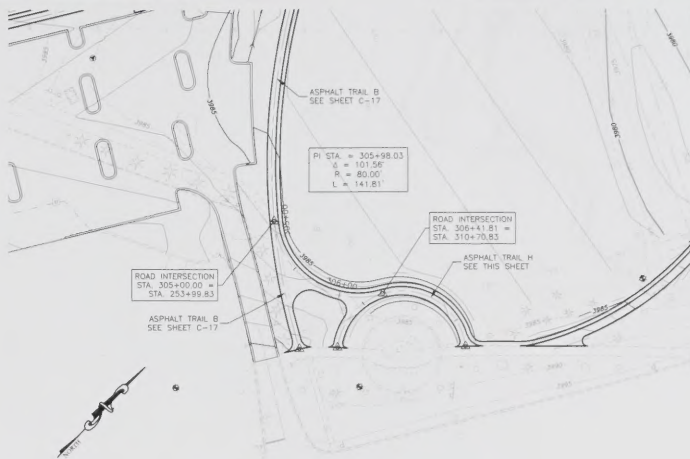
PLAN VIEW OF ASPHALT TRAIL C - STA. 259+50 TO STA. 271+00



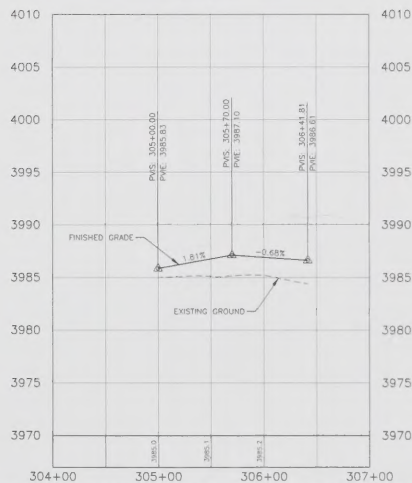
PROFILE VIEW OF ASPHALT TRAIL C - STA. 259+50 TO STA. 271+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'

File: C-18.dwg Date: 11/15/07 User: M. Thuesen Plot: C-18.plt Plot Date: 11/15/07 Plot Time: 1:48 PM

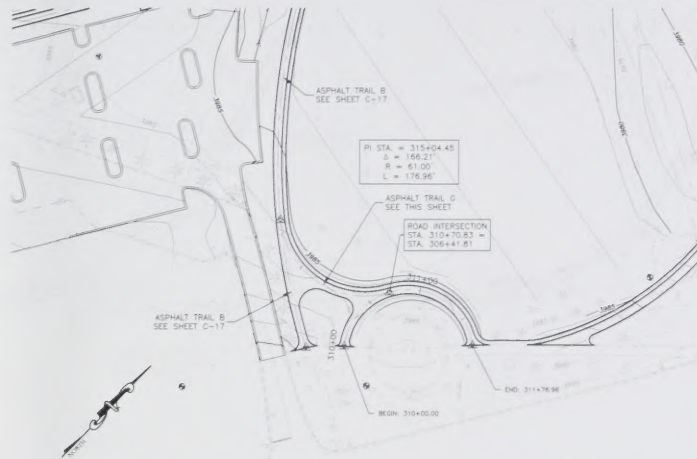


PLAN VIEW OF ASPHALT TRAIL G - STA. 304+00 TO STA. 307+00

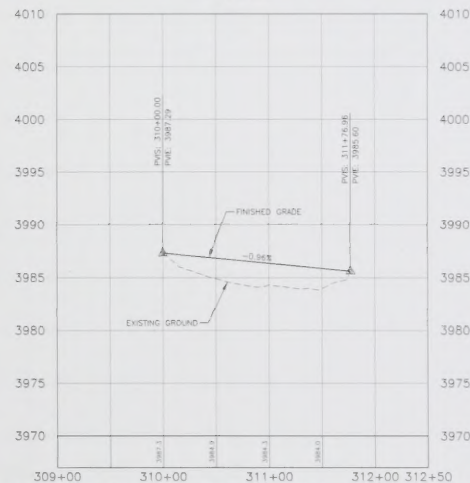


PROFILE VIEW OF ASPHALT TRAIL G - STA. 304+00 TO STA. 307+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



PLAN VIEW OF ASPHALT TRAIL H - STA. 309+00 TO STA. 312+50



PROFILE VIEW OF ASPHALT TRAIL H - STA. 309+00 TO STA. 312+50

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'

Centennial Park - 95% Submittal
ASPHALT TRAIL G AND H
PLAN AND PROFILE

CARL THUESSEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
105 GRAND AVENUE SUITE 105
P.O. BOX 2290
BILLINGS, MT 59103
406/232-0487 FAX 232-9059

Drawn by: PAA
Date: 8/16/22
Checked by: TKP
Date: 8/16/22
Rev: _____
File: _____

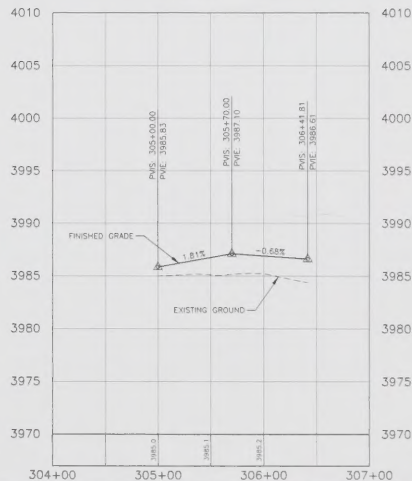
SHEET
C-21

PRELIMINARY

GreatWest
engineering
PLANNING • DESIGN • CONSTRUCTION

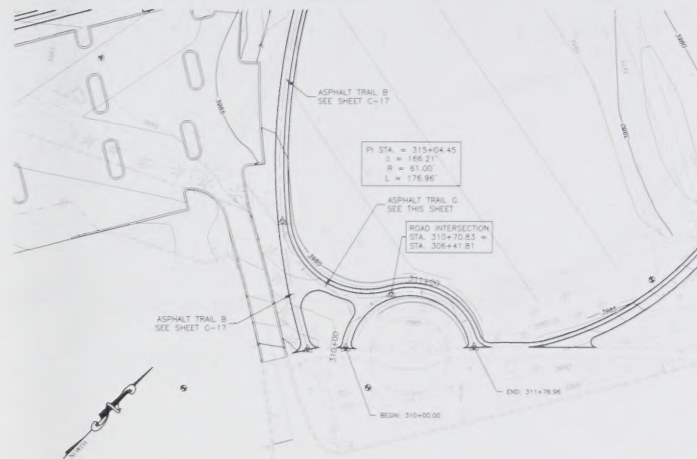


PLAN VIEW OF ASPHALT TRAIL G - STA. 304+00 TO STA. 307+00

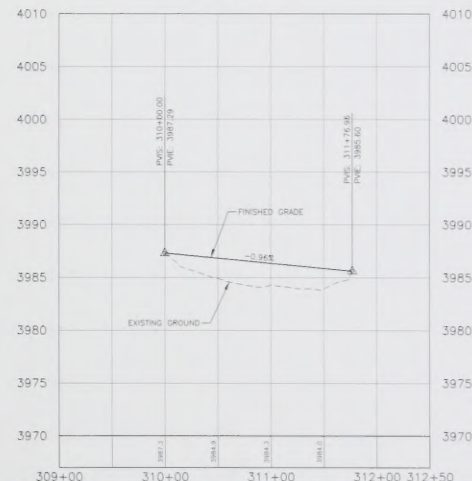


PROFILE VIEW OF ASPHALT TRAIL G - STA. 304+00 TO STA. 307+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



PLAN VIEW OF ASPHALT TRAIL H - STA. 309+00 TO STA. 312+50



PROFILE VIEW OF ASPHALT TRAIL H - STA. 309+00 TO STA. 312+50

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



Centennial Park - 95% Submittal ASPHALT TRAIL G AND H PLAN AND PROFILE

CARL THUESSEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
100 GRAND AVE. SUITE 100
P.O. BOX 2946
BILLINGS, MT 59106
(406) 252-5443 FAX 245-9855

Drawn by: DNA
Date: 11/16/07
Checked by: TKS
Date: 11/16/07
Rev: _____
Rev: _____
File: _____

SHEET

C-21

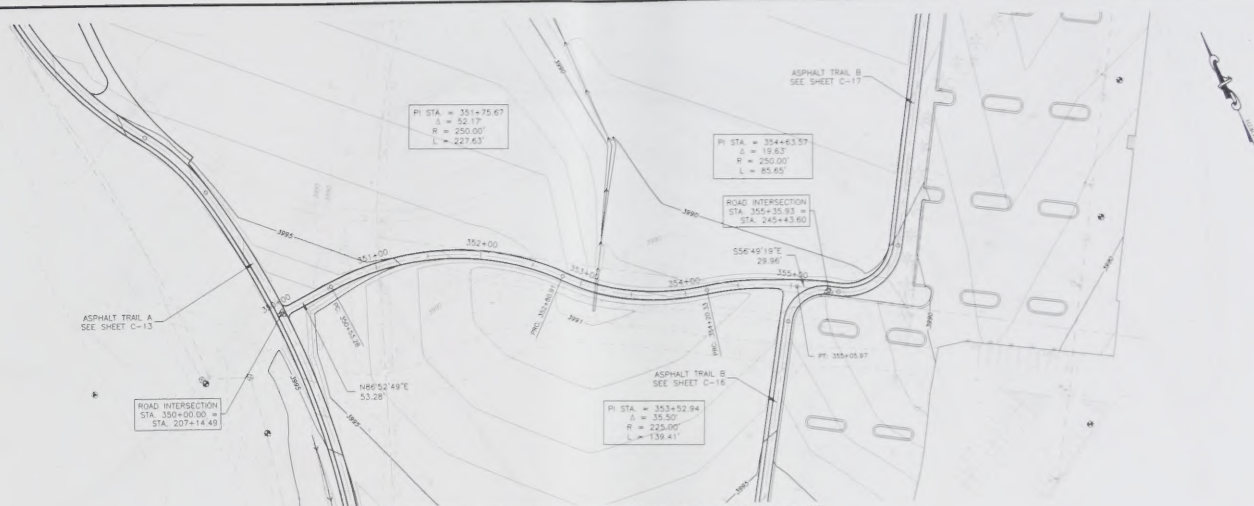


Centennial Park - 95% Submittal
DG TRAIL A
PLAN AND PROFILE

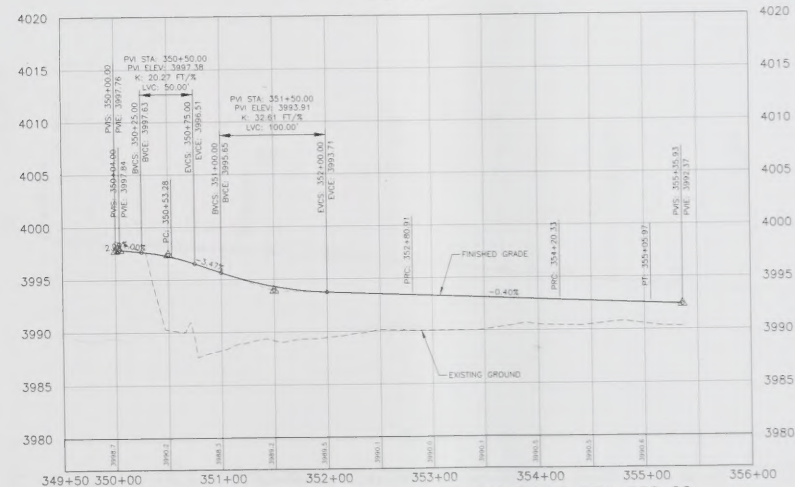
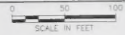
CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
705 GRAND AVE. SUITE 100
P.O. BOX 22983
BELLINGHAM, WA 98246
360.735.5803 FAX 360.9635

Drawn by: DAA
Date: 11/15/07
Checked by: TKS
Date: 11/15/07
Rev: _____
Rev: _____
File: _____

SHEET
C-23



PLAN VIEW OF DG TRAIL A - STA. 349+50 TO STA. 356+00

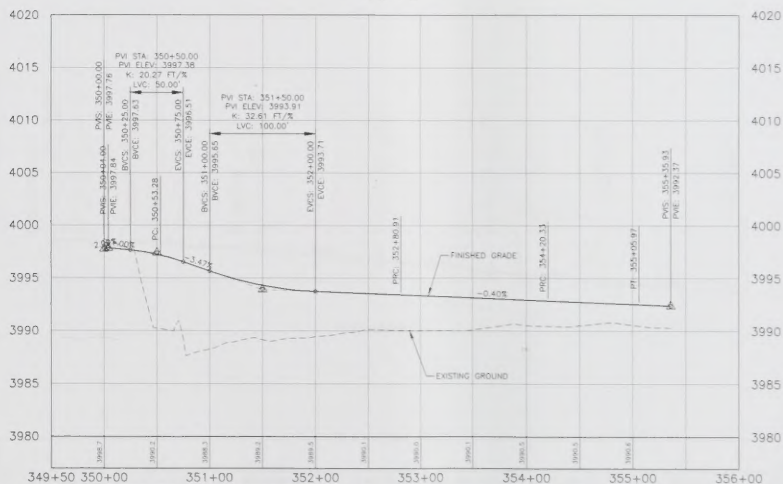
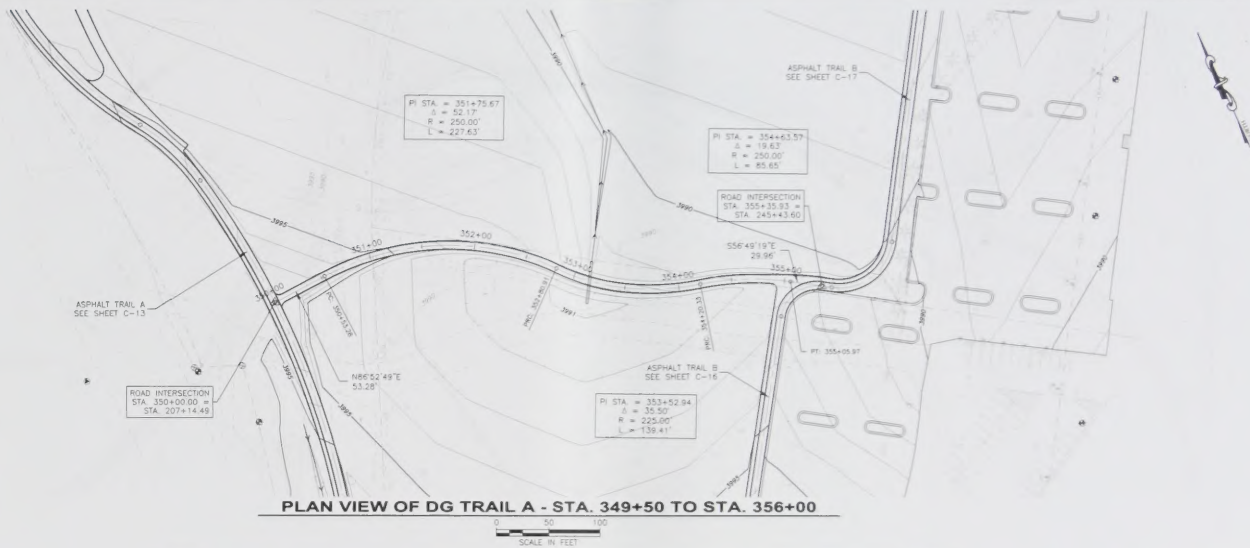


PROFILE VIEW OF DG TRAIL A - STA. 349+50 TO STA. 356+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'

11/15/07 - Centennial Park - 95% Submittal - DG TRAIL A - PLAN AND PROFILE - C-23

C:\Users\jth\Documents\Projects\Centennial Park - 95% Submittal\11-18-10\11-18-10-11-18-10.dwg



Centennial Park - 95% Submittal
DG TRAIL A
PLAN AND PROFILE

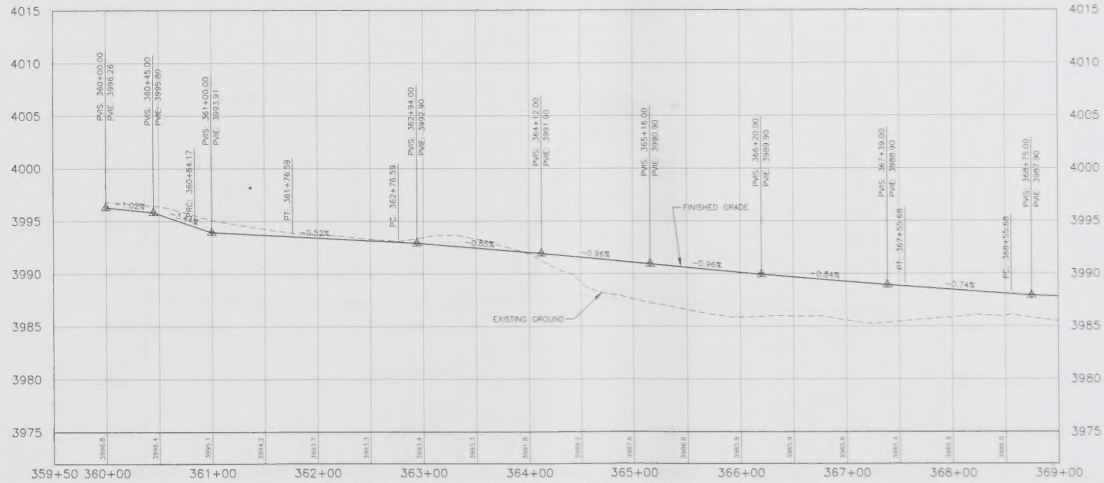
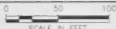
CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1705 GRAND AVE. SUITE 100
P.O. BOX 1254
BILLINGS, MT 59104
406-252-5481 FAX 406-252-5482

Drawn by: DAA
Date: 11/18/09
Checked by: JTH
Date: 11/18/09
Rev: _____
Rev: _____
File: _____

SHEET
C-23

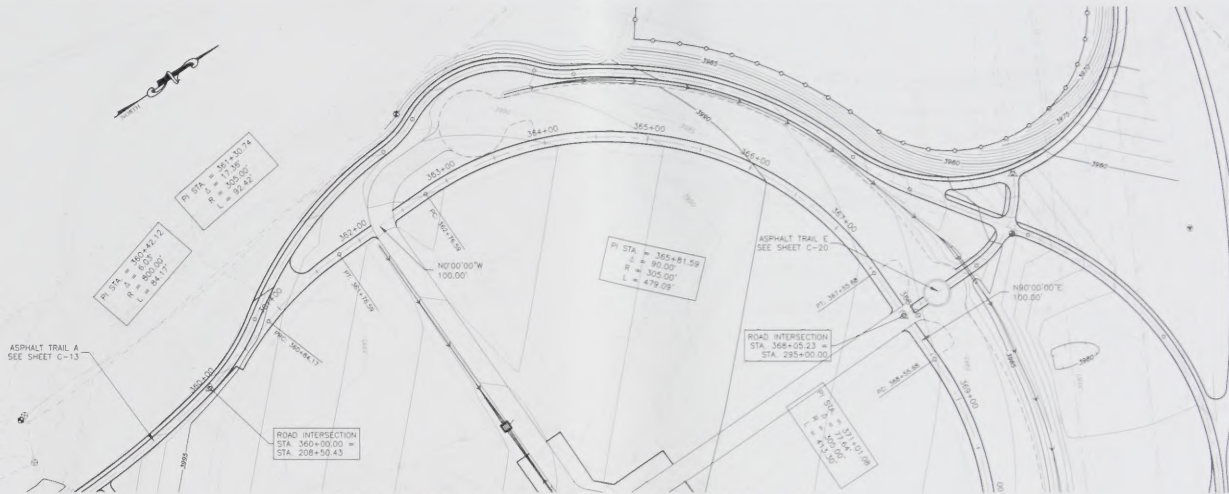


PLAN VIEW OF DG TRAIL B - STA. 359+50 TO STA. 369+00

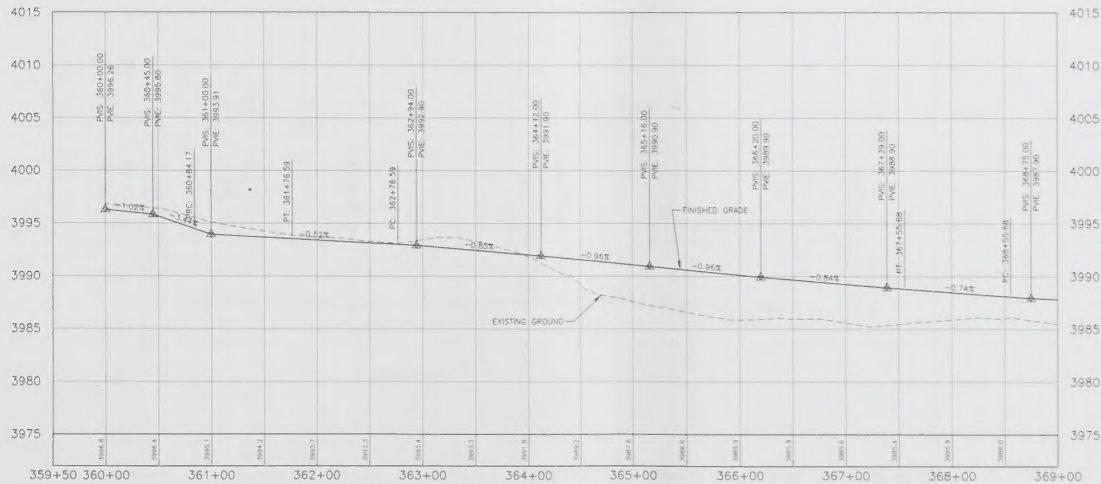


PROFILE VIEW OF DG TRAIL B - STA. 359+50 TO STA. 369+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



PLAN VIEW OF DG TRAIL B - STA. 359+50 TO STA. 369+00



PROFILE VIEW OF DG TRAIL B - STA. 359+50 TO STA. 369+00

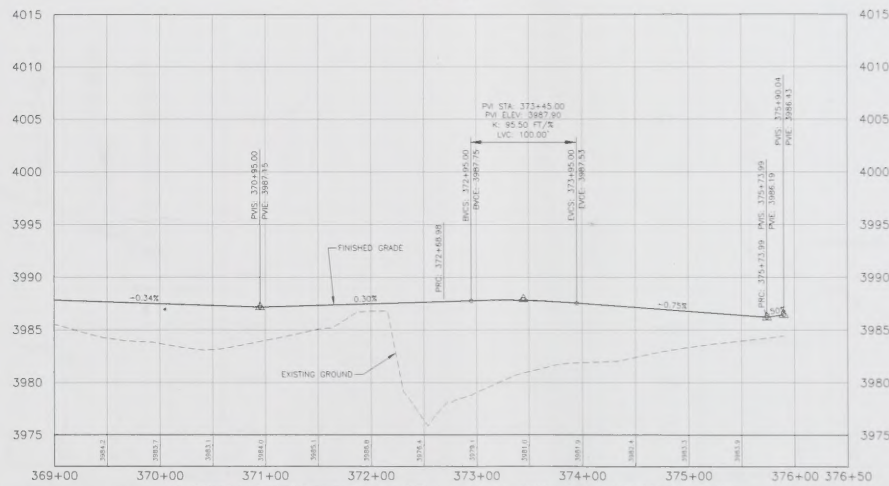
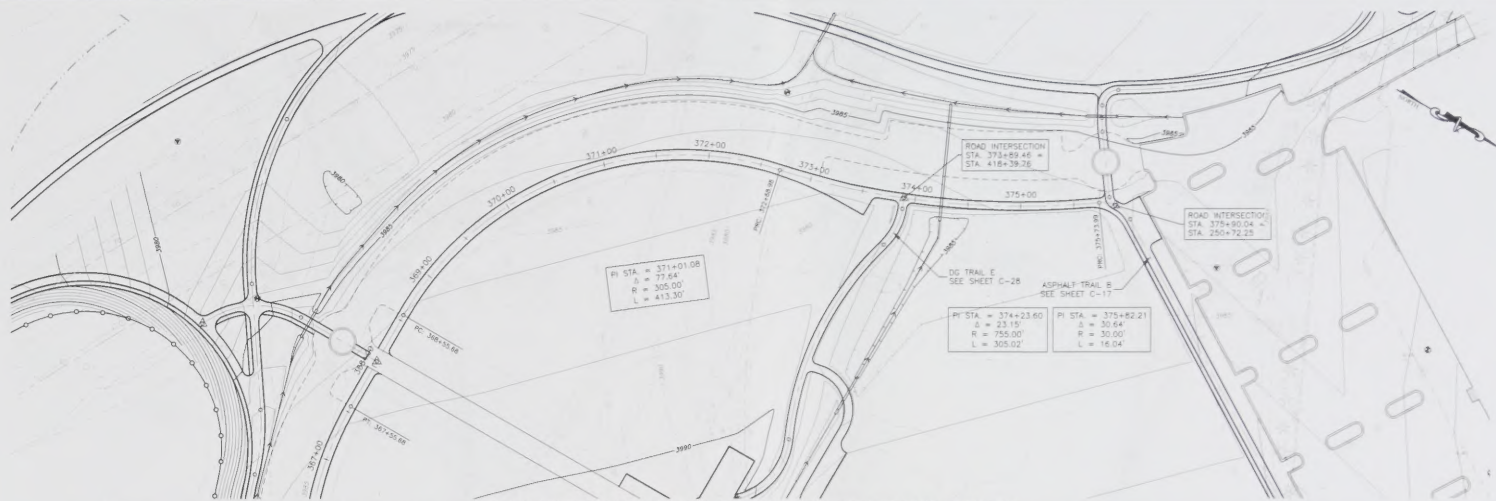
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



Centennial Park - 95% Submittal
DG TRAIL B
PLAN AND PROFILE

CARL THUESEN
A S I A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
THE GRAND AVENUE SUITE 100
P.O. BOX 22945
BILLINGS, MT 59106
(406) 591-1434 FAX (406) 591-1435

Drawn by: DAA
Date: 11/18/02
Checked by: DCK
Date: 11/18/02
Rev: _____
File: _____



GreatWest engineering
2501 BELT VIEW DRIVE
HELENA, MT 59601
(406) 444-8627

Centennial Park - 95% Submittal
DG TRAIL B
PLAN AND PROFILE

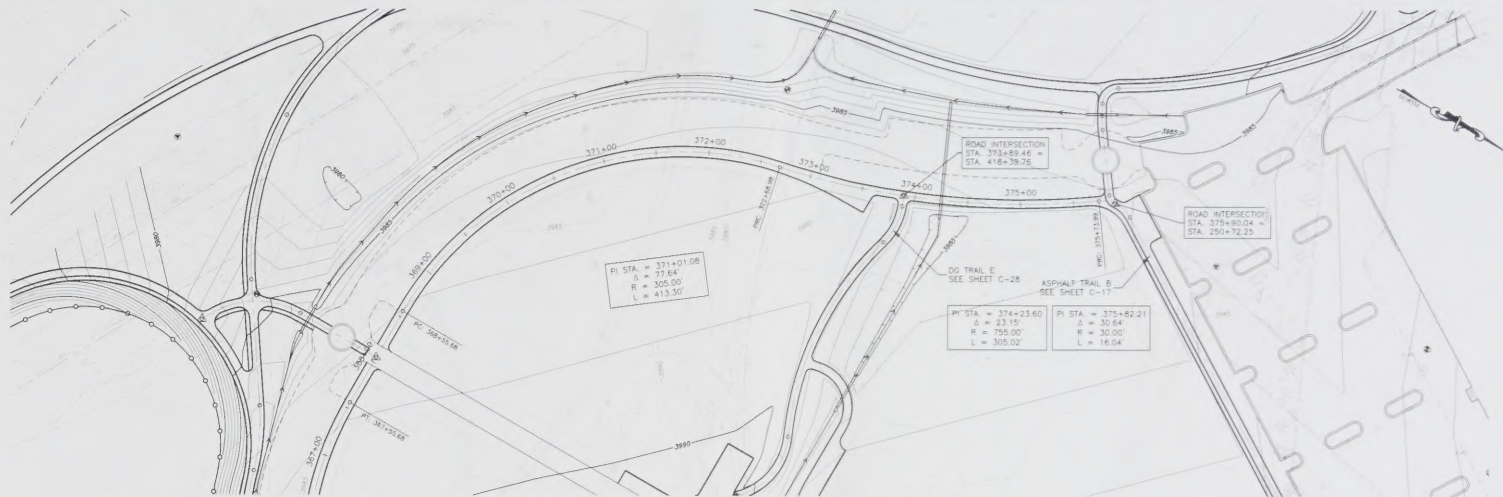
CARL THUESEN
A S L A

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

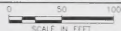
1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5545 FAX 248-9855

Drawn by: DAW
Date: 11/15/05
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Date: 11/15/05
Rev: _____
Rev: _____
File: _____

SHEET
C-25



PLAN VIEW OF DG TRAIL B - STA. 369+00 TO STA. 376+50



PROFILE VIEW OF DG TRAIL B - STA. 369+00 TO STA. 376+50

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'

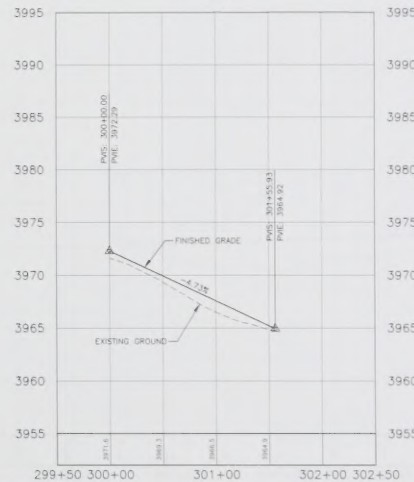
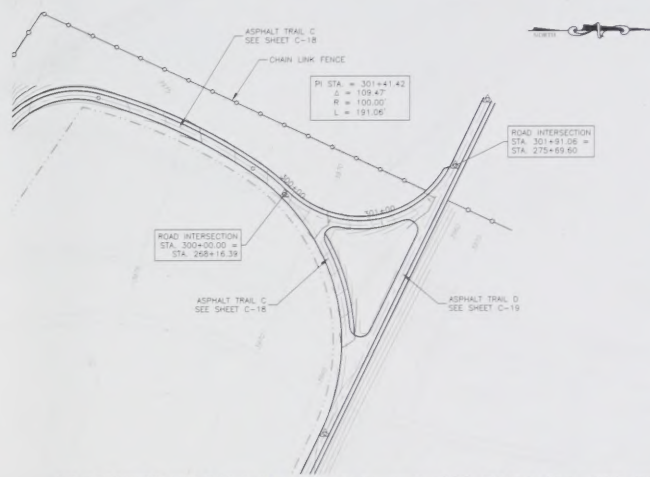
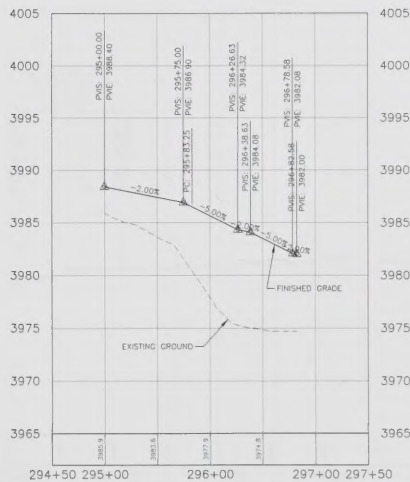
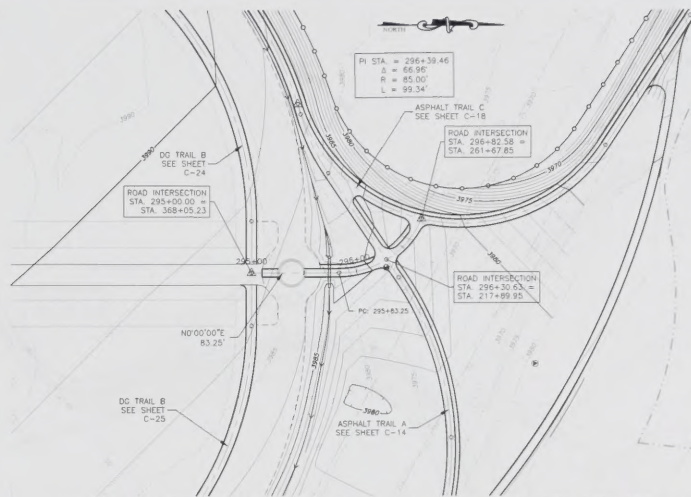


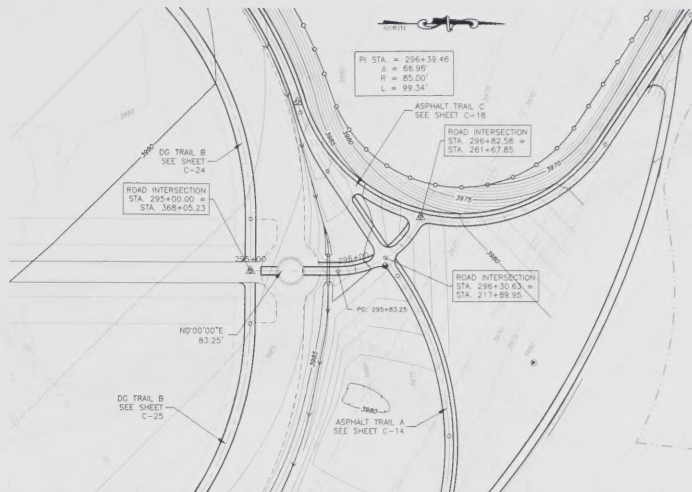
Centennial Park - 95% Submittal
DG TRAIL B
PLAN AND PROFILE

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
2500 S. GRAND AVE., SUITE 100
BILLINGS, MT 59102
406.252.2655 FAX 406.265.9655

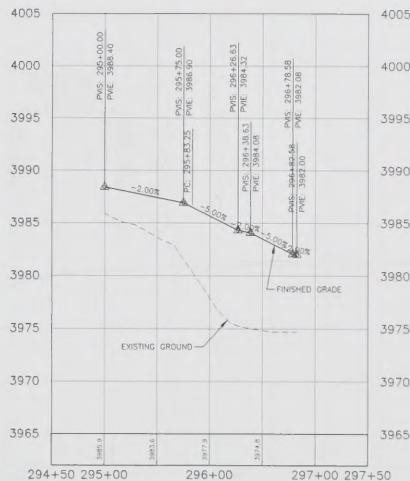
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Date: 11/18/07
Checked by: TKK
Date: 11/18/07
Rev: _____
File: _____

SHEET
C-25



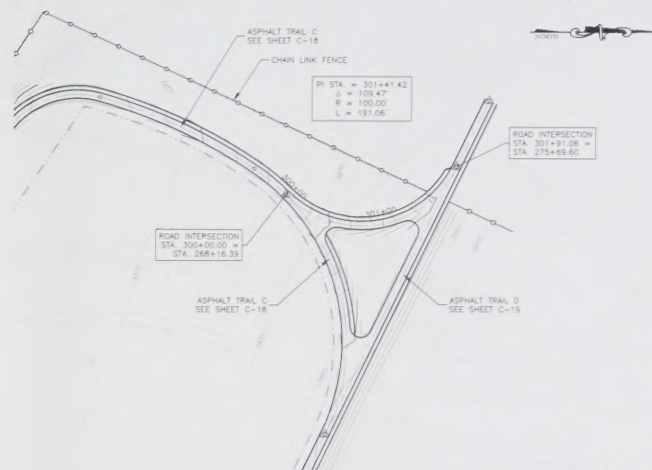


PLAN VIEW OF ASPHALT TRAIL E - STA. 294+50 TO STA. 297+50

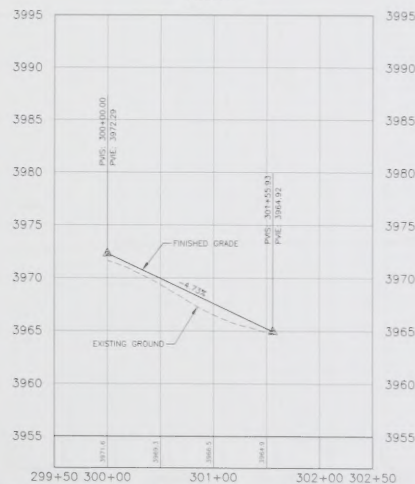


PROFILE VIEW OF ASPHALT TRAIL E - STA. 294+50 TO STA. 297+50

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



PLAN VIEW OF ASPHALT TRAIL F - STA. 299+50 TO STA. 302+50



PROFILE VIEW OF ASPHALT TRAIL F - STA. 299+50 TO STA. 302+50

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'

Centennial Park - 95% Submittal
ASPHALT TRAIL E AND F
PLAN AND PROFILE

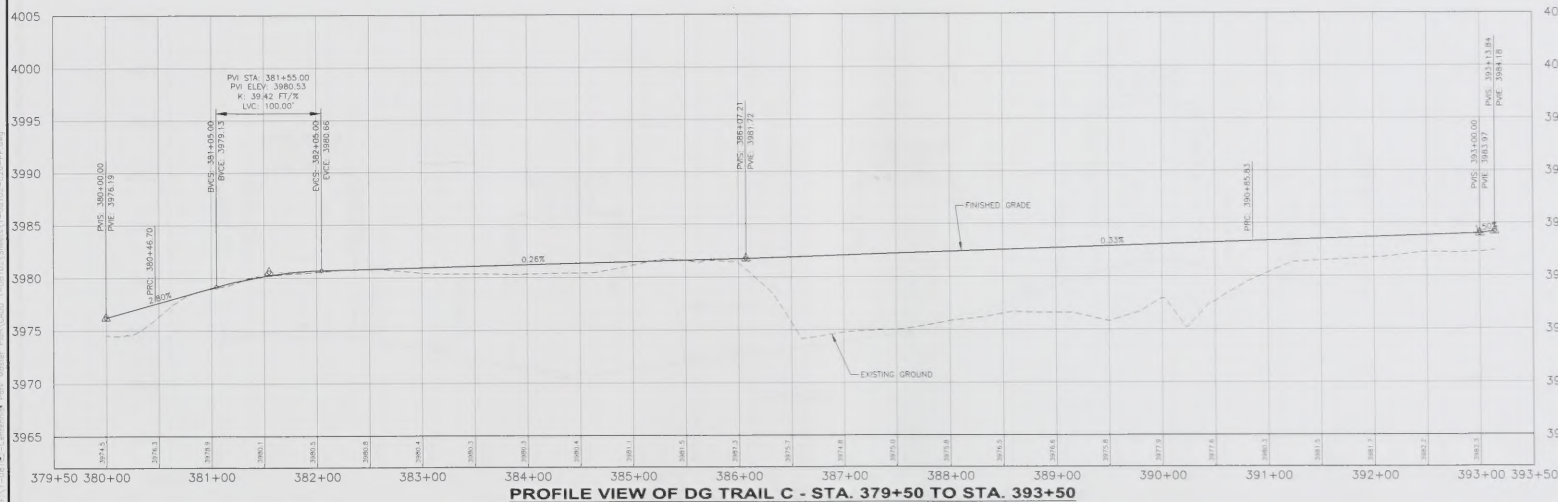
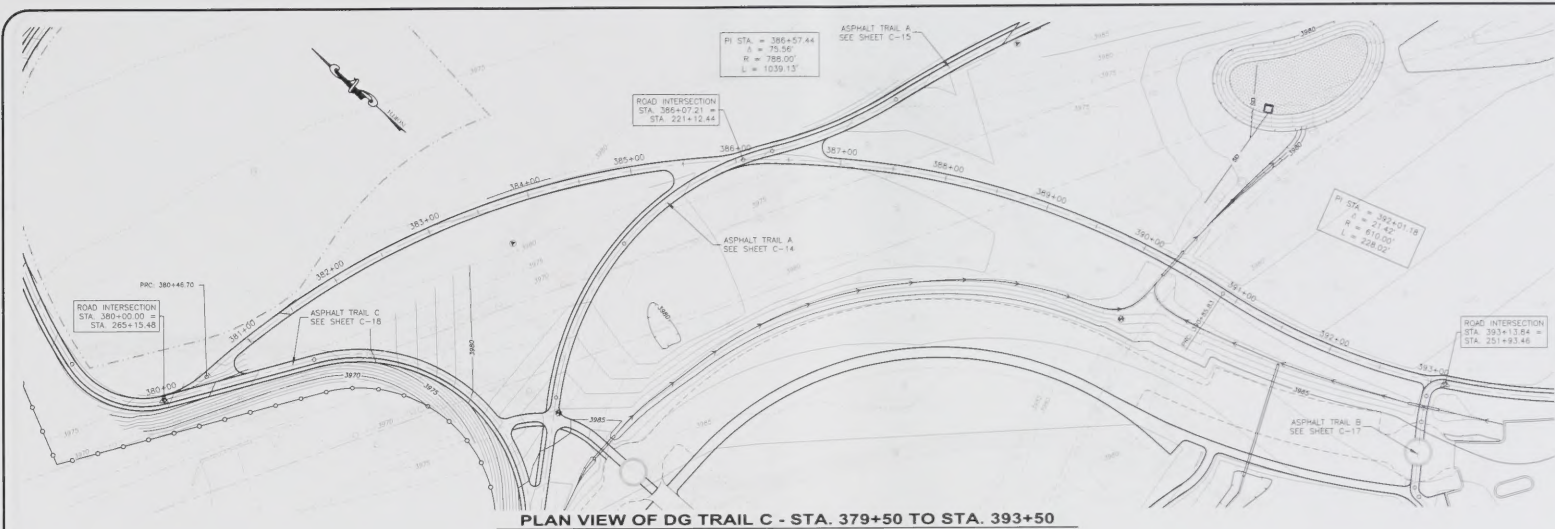
CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
103 GRAND AVE. SUITE 105
PO BOX 2945
BILLYING, MT 59104
(402) 555-1415 FAX 402-965

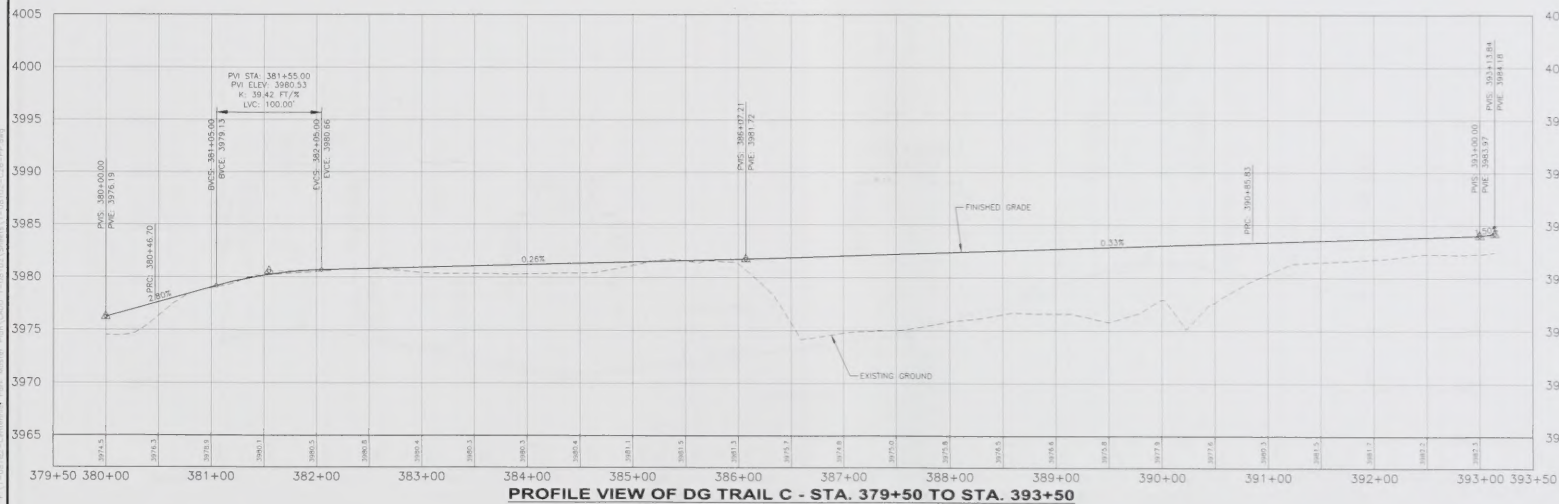
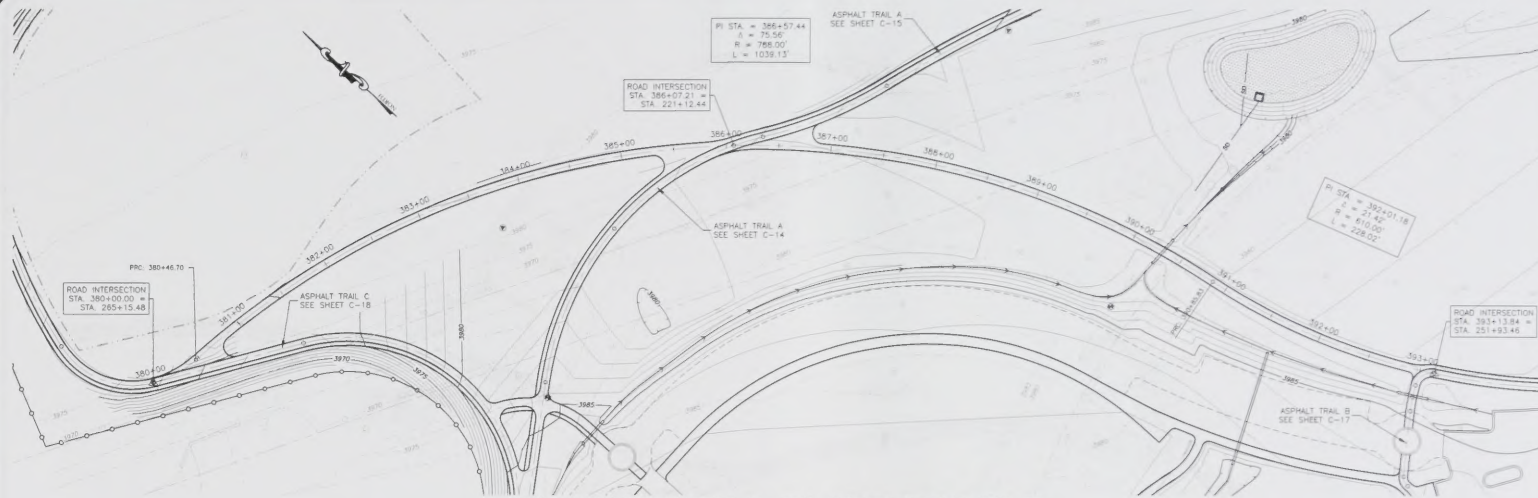
Drawn by: DAA
Date: 11/05/07
Checked by: TRK
Date: 11/05/07
Rev:
Rev:
File:

SHEET
C-20

PRELIMINARY

GreatWest
DESIGN BUILDING
103 GRAND AVE. SUITE 105
PO BOX 2945
BILLYING, MT 59104
(402) 555-1415 FAX 402-965





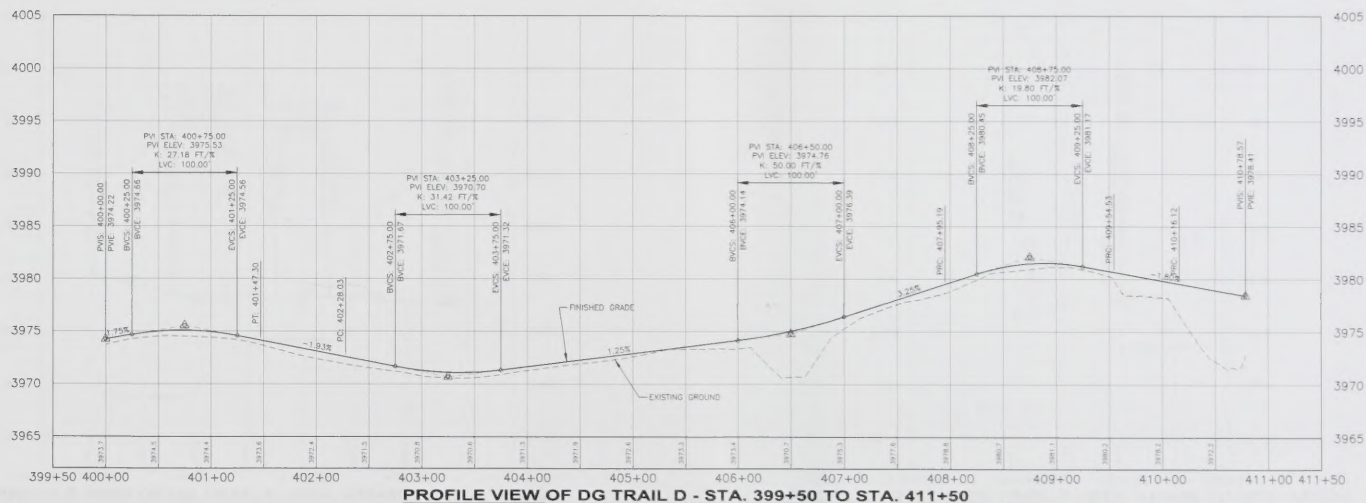
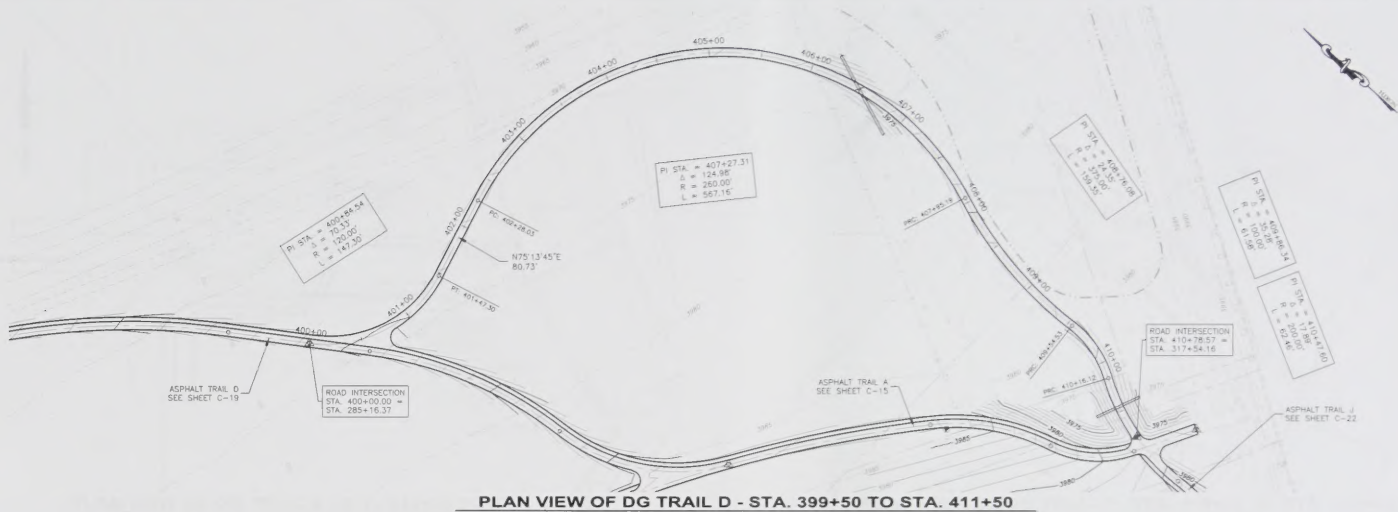
Centennial Park - 95% Submittal
DG TRAIL C
PLAN AND PROFILE

CARL THUESEN
A S L A

**GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE**

**1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5545 FAX 245-9855**

Drawn by: DAK
Date: 11/15/09
Checked by: TKK
Date: 11/15/09
Rev: _____
Rev: _____
File: _____

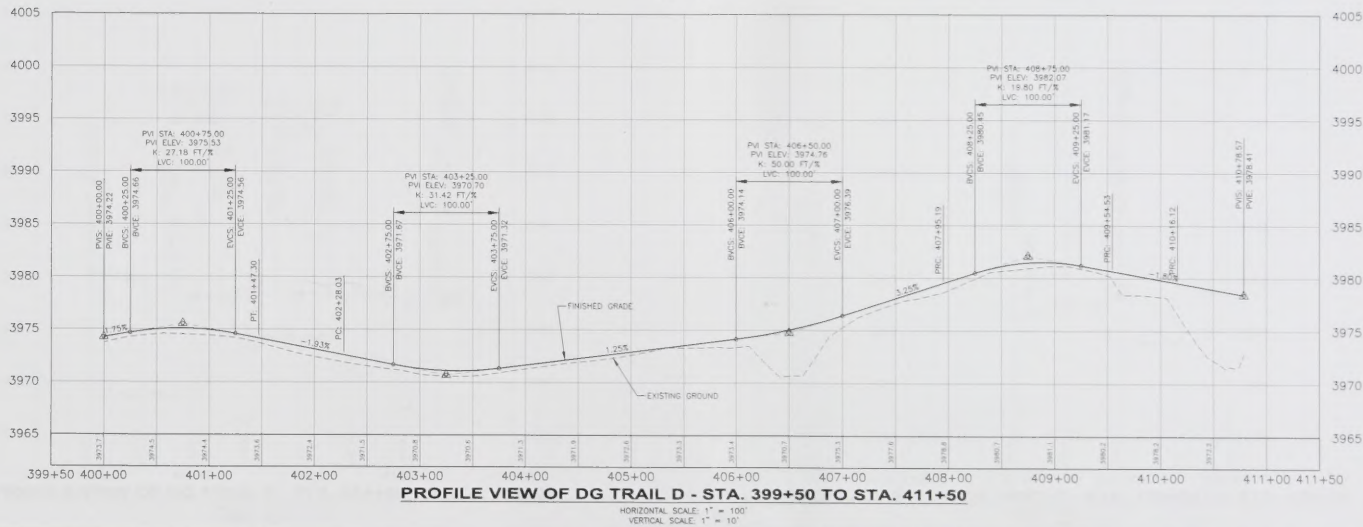
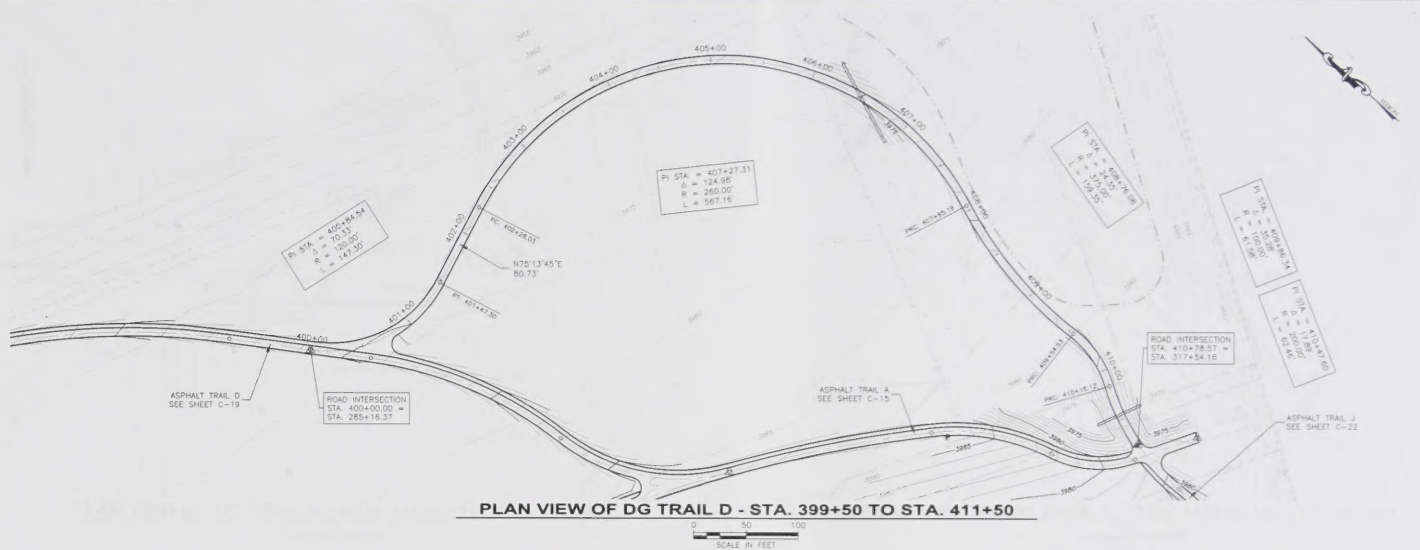


Centennial Park - 95% Submittal
DG TRAIL D
PLAN AND PROFILE

CARL THUESEN
A S I A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
180 GRAND AVE., SUITE 100
P.O. BOX 22940
BELLINGHAM, WA 98220
408/252-5645 FAX 252-9605

Drawn by: DAA
Date: 11/15/03
Checked by: TSC
Date: 11/15/03
Rev: _____
Rev: _____
File: _____

SHEET
C-27

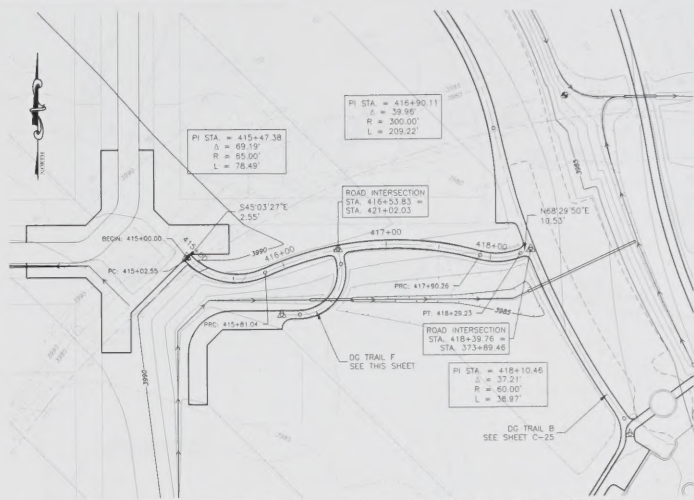


Centennial Park - 95% Submittal

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5545 FAX 245-9855

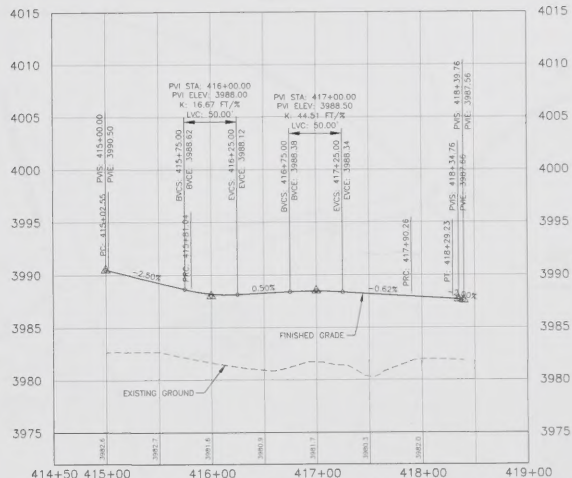
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Date: 11/15/09
Checked by: TKK
Date: 11/15/09
Rev: _____
Rev: _____
File: _____

SHEET
C-27



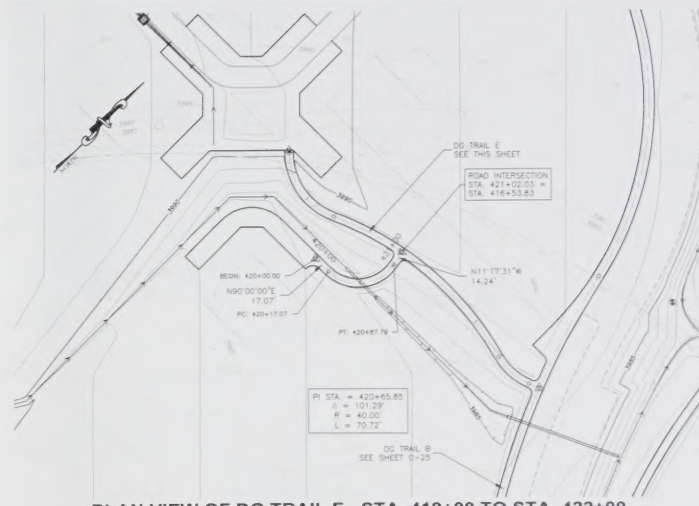
PLAN VIEW OF DG TRAIL E - STA. 414+50 TO STA. 419+00

0 50 100
SCALE IN FEET



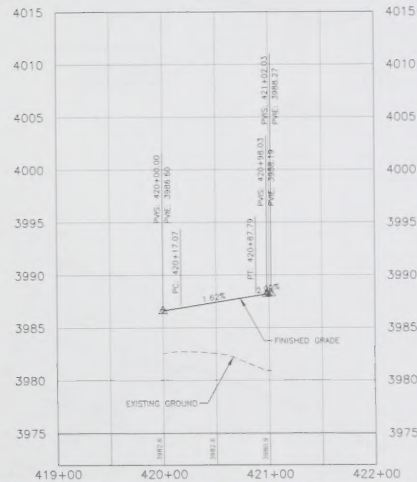
PROFILE VIEW OF DG TRAIL E - STA. 414+50 TO STA. 419+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



PLAN VIEW OF DG TRAIL F - STA. 419+00 TO STA. 422+00

0 50 100
SCALE IN FEET



PROFILE VIEW OF DG TRAIL F - STA. 419+00 TO STA. 422+00

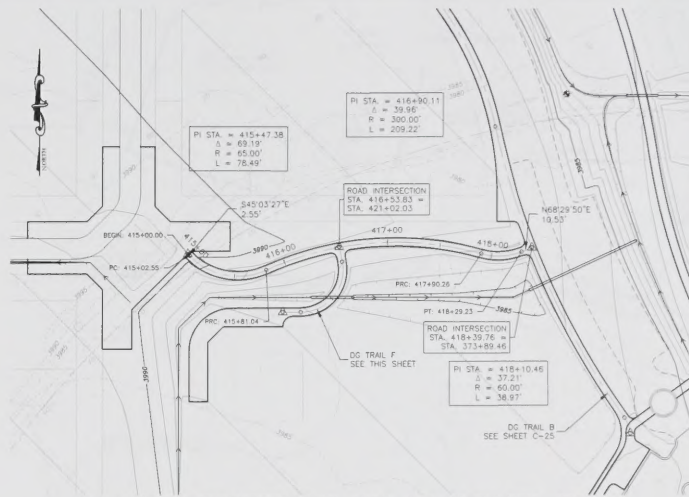
HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



Centennial Park - 95% Submittal
DG TRAIL E AND F
PLAN AND PROFILE

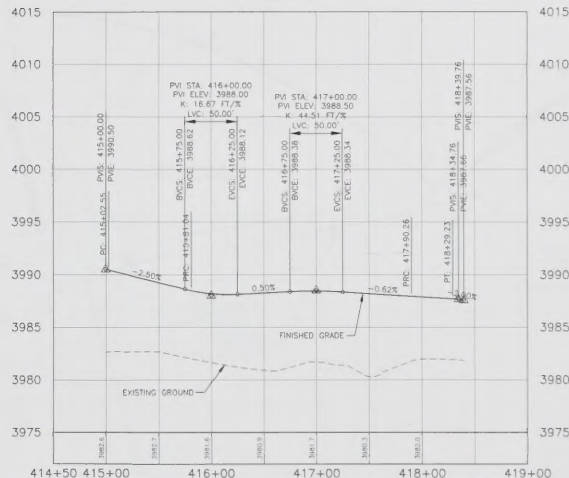


Drawn by: RAA
Date: 11/16/09
Checked by: TRC
Date: 11/16/09
Rev: _____
Rev: _____
File: _____



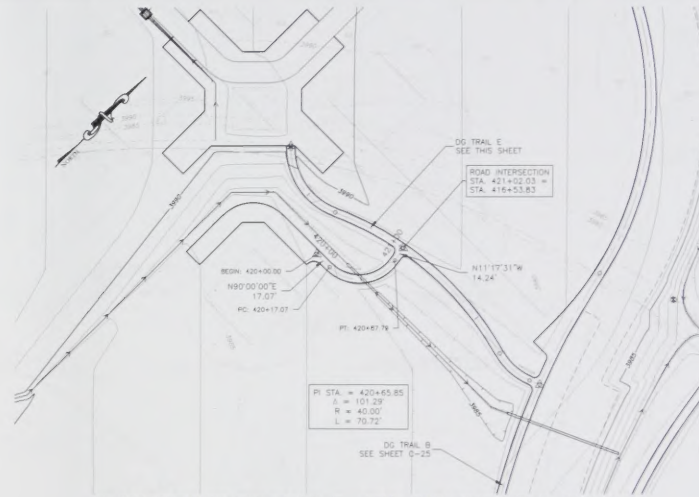
PLAN VIEW OF DG TRAIL E - STA. 414+50 TO STA. 419+00

SCALE IN FEET
0 50 100



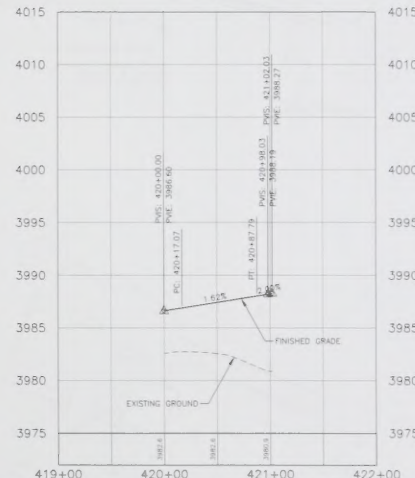
PROFILE VIEW OF DG TRAIL E - STA. 414+50 TO STA. 419+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



PLAN VIEW OF DG TRAIL F - STA. 419+00 TO STA. 422+00

SCALE IN FEET
0 50 100



PROFILE VIEW OF DG TRAIL F - STA. 419+00 TO STA. 422+00

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'



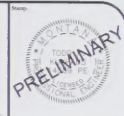
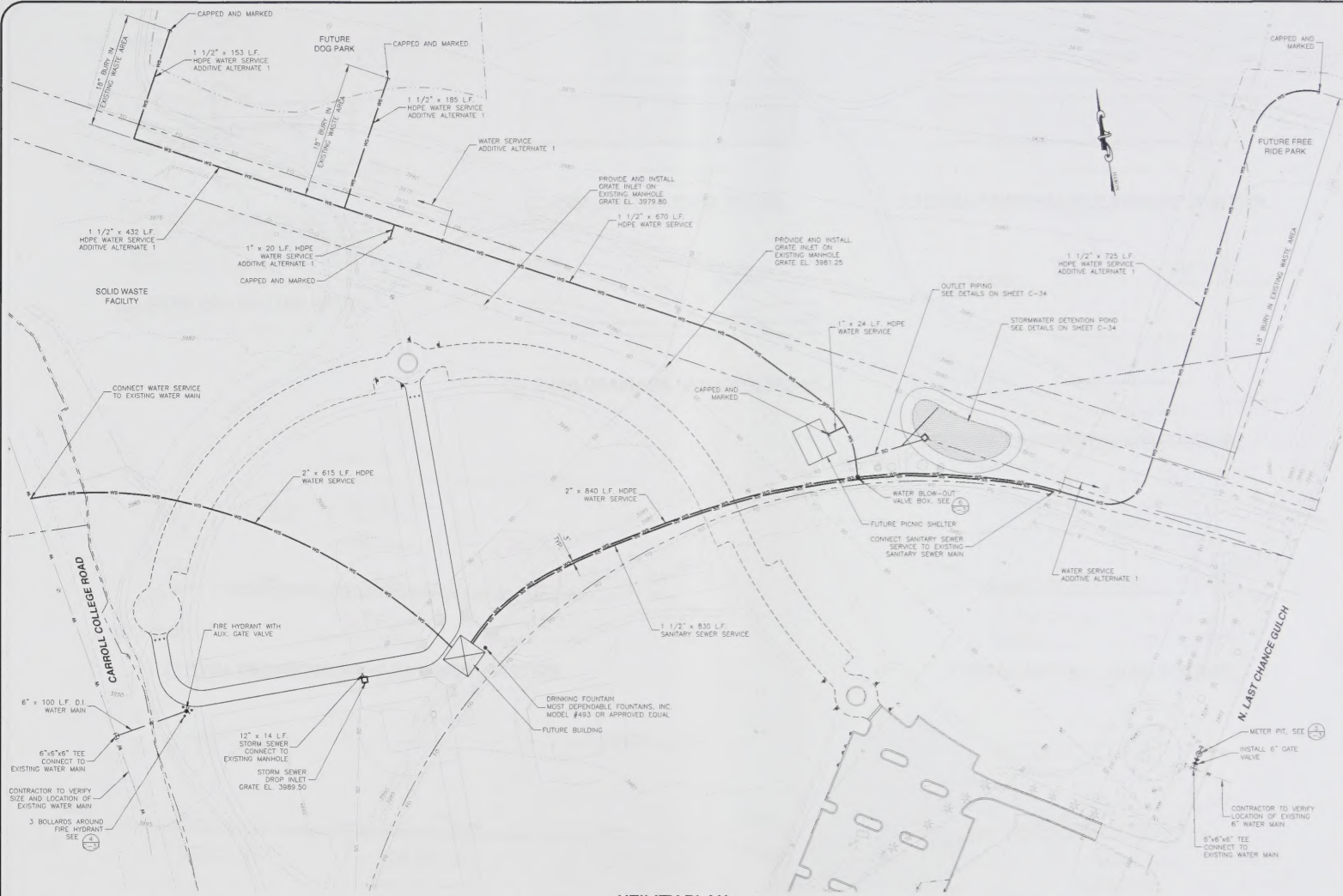
Centennial Park - 95% Submittal
DG TRAIL E AND F
PLAN AND PROFILE

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1925 GRAND AVE. SUITE 100
P.O. BOX 2540
BIRMINGHAM, AL 35204
205/252-0540 FAX 205-985-0855

Drawn by: BAA
Date: 11/18/22
Checked by: TKS
Date: 11/18/22
Rev:
Rev:
File:

SHEET
C-28

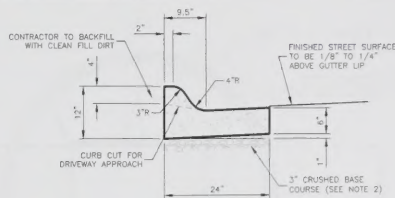
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Centennial Park - 95% Submittal UTILITY PLAN

CARL THUESEN
A S L A
 GOLF COURSE ARCHITECTURE
 LANDSCAPE ARCHITECTURE
 1803 GRAND AVE. SUITE 100
 P.O. BOX 22940
 BIRMINGHAM, AL 35202
 205-988-4444 FAX 205-988-4445

Drawn by: DAA
 Date: 11/15/07
 Checked by: TRK
 Date: 11/15/07
 Rev: _____
 Rev: _____
 File: _____

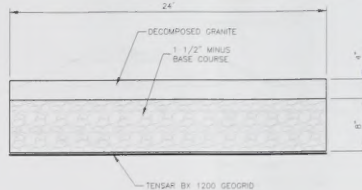


NOTES:

- EXCAVATION REQUIRED FOR CURB AND GUTTER SHALL BE MEASURED AND PAID FOR AS "STREET EXCAVATION" UNDER SECTION 02230 OF THE MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS, FOURTH EDITION, 1998.
- FOR NEW STREET CONSTRUCTION, EXTEND CRUSHED BASE COURSE TO THE BACK OF THE CURB - MINIMUM THICKNESS OF CRUSHED BASE COURSE BENEATH CURB AND GUTTER SHALL BE 3" FOR CURB AND GUTTER REPLACEMENT PROJECTS, PROVIDE A MINIMUM OF 3" OF CRUSHED BASE COURSE BENEATH NEW CURB AND GUTTER.

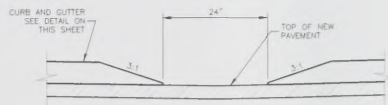
1 CURB AND GUTTER DETAIL

NOT TO SCALE



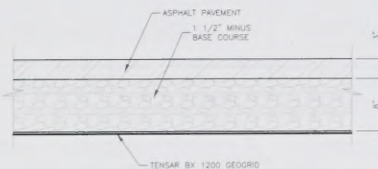
2 FIRE ACCESS ROAD DETAIL

NOT TO SCALE



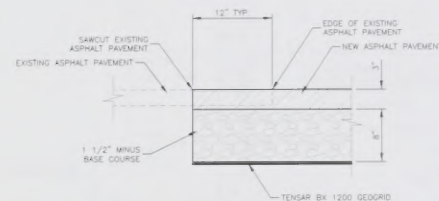
3 CURB DRAINAGE LAYDOWN DETAIL

NOT TO SCALE



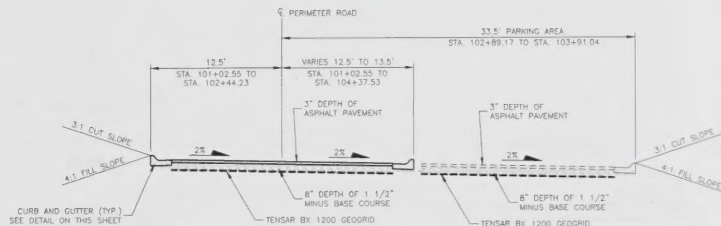
TYPICAL PARKING LOT PAVEMENT SECTION

NOT TO SCALE



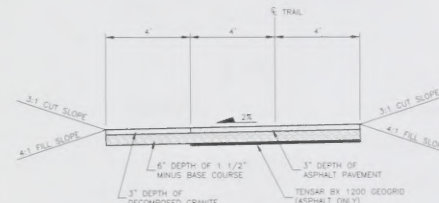
TYPICAL PAVEMENT SAWCUT DETAIL

NOT TO SCALE



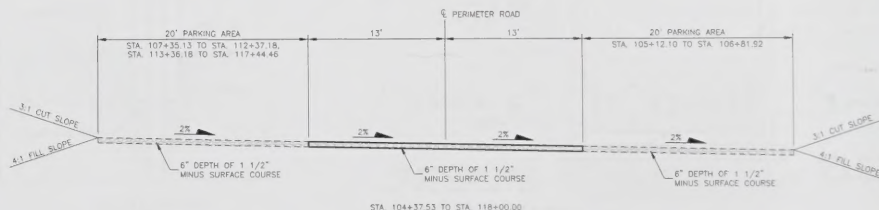
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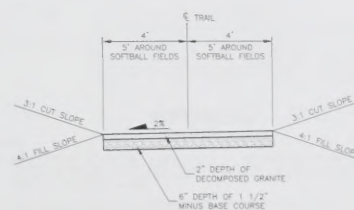
TYPICAL ASPHALT TRAIL SECTION

NOT TO SCALE



TYPICAL PERIMETER ROAD GRAVEL SECTION

NOT TO SCALE



TYPICAL DECOMPOSED GRANITE TRAIL SECTION

NOT TO SCALE



Centennial Park - 95% Submittal

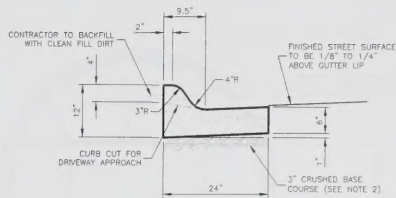
DETAILS

CARL THUESEN
A S T A

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1932 GRAND AVE. SUITE 100
P.O. BOX 22943
BILLINGS, MONTANA 59108
406/255-0949 FAX 406/255-0955

Drawn by: BAA
Date: 11/10/07
Checked by: THK
Date: 11/10/07
Rev: _____
Rev: _____
File: _____

SHEET
C-30

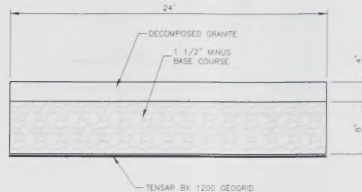


NOTES

1. EXCAVATION REQUIRED FOR CURB AND GUTTER SHALL BE MEASURED AND PAID FOR AS "STREET EXCAVATION" UNDER SECTION 02230 OF THE MONTANA PUBLIC WORKS STANDARD SPECIFICATIONS, FOURTH EDITION, 1996.
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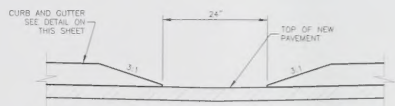
CURB AND GUTTER DETAIL

NOT TO SCALE



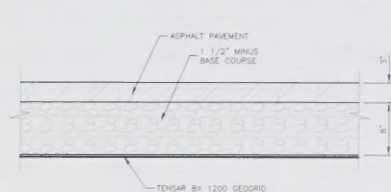
FIRE ACCESS ROAD DETAIL

NOT TO SCALE



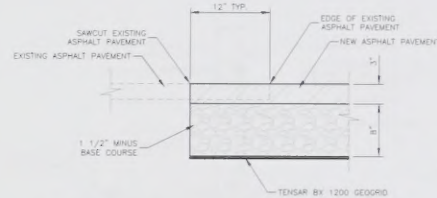
CURB DRAINAGE LAYDOWN DETAIL

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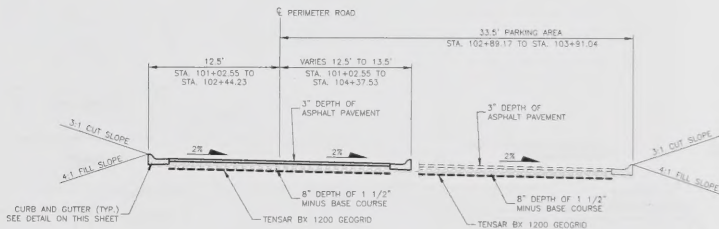
TYPICAL PARKING LOT PAVEMENT SECTION

NOT TO SCALE



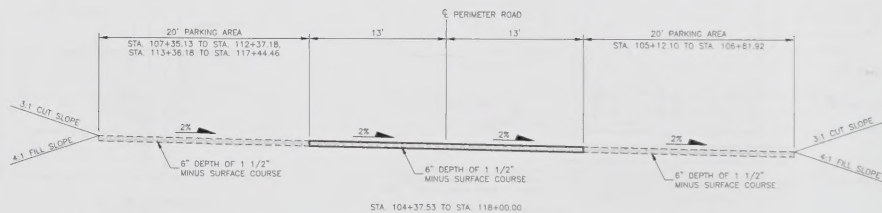
TYPICAL PAVEMENT SAWCUT DETAIL

NOT TO SCALE



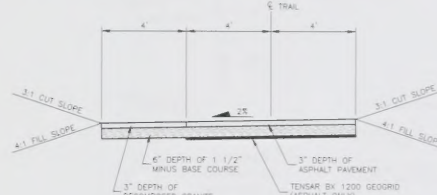
TYPICAL PERIMETER ROAD PAVEMENT SECTION

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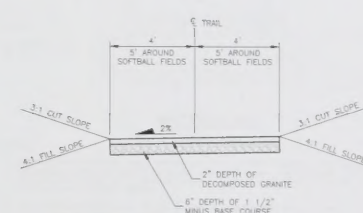
TYPICAL PERIMETER ROAD GRAVEL SECTION

NOT TO SCALE



TYPICAL ASPHALT TRAIL SECTION

NOT TO SCALE



TYPICAL DECOMPOSED GRANITE TRAIL SECTION

NOT TO SCALE



Centennial Park - 95% Submittal
DETAILS

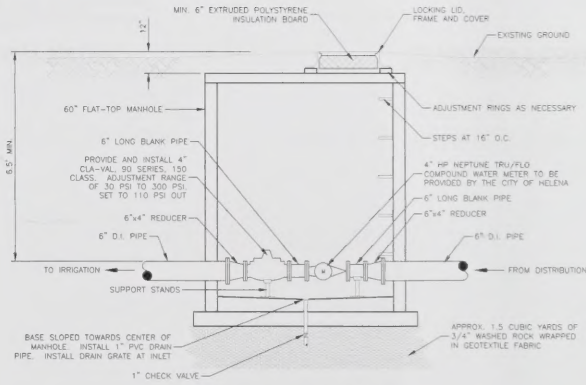
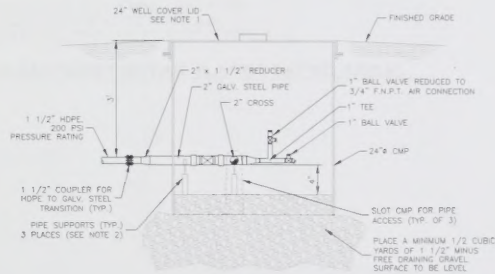
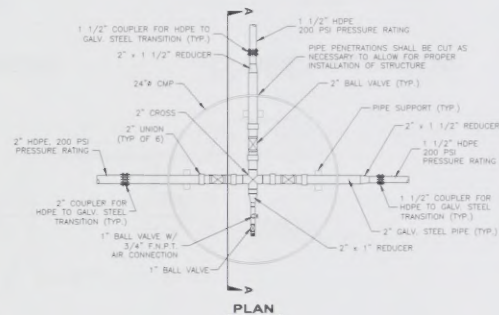
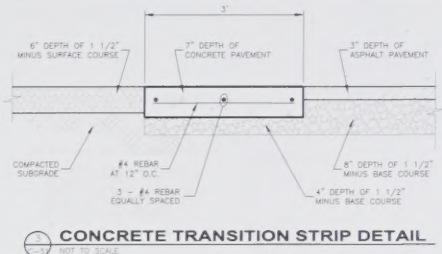
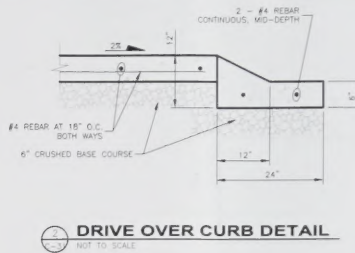
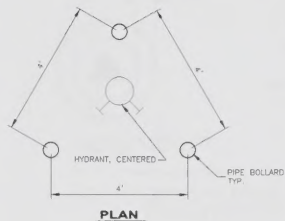
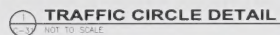
CARL THURSEN
A S L A

CORE COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1001 GRAND AVE. SUITE 100
F.O. BOX 22960
BILLINGS, MT 59101
406.252.5565 FAX 252.5615

Drawn by: PAA
Date: 11/18/02
Checked by: THK
Date: 11/18/02
Rev: _____
Rev: _____
File: _____

SHEET
C-30



Centennial Park - 95% Submittal

DETAILS

CARL THUESEN

A S L A

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5545 FAX 263-9855

Drawn by: _____ BAA

Date: 11/18/03

Checked by: TKK

Date: 11/18/09

Rest:

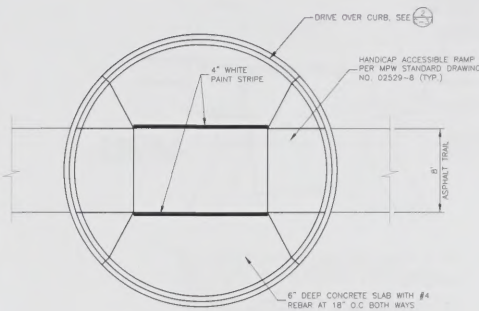
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REV. _____
 FILE _____

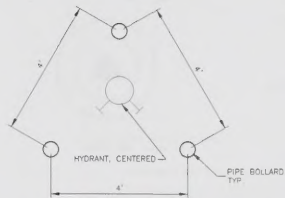
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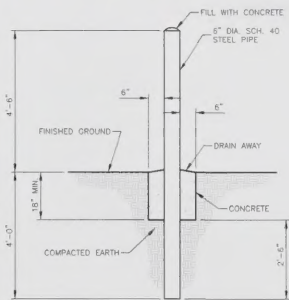
C-31



TRAFFIC CIRCLE DETAIL
NOT TO SCALE

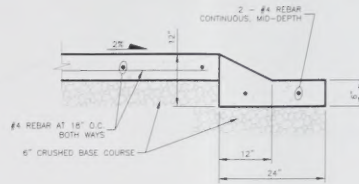


PLAN

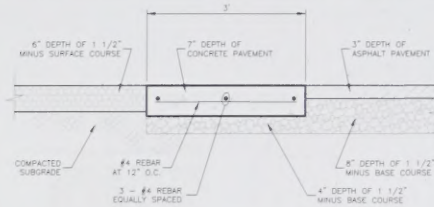


NOTE: PAINT ALL EXPOSED STEEL YELLOW PER SPEC.

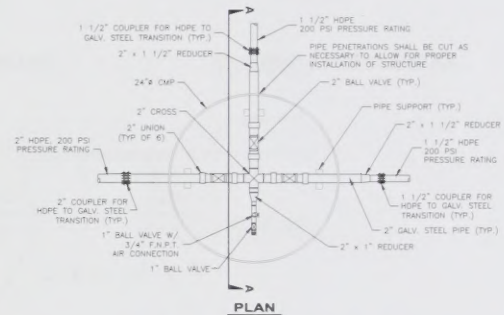
PIPE BOLLARD DETAIL
NOT TO SCALE



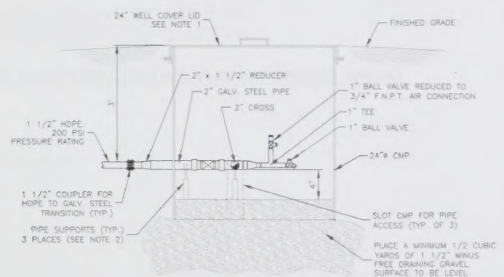
DRIVE OVER CURB DETAIL
NOT TO SCALE



CONCRETE TRANSITION STRIP DETAIL
NOT TO SCALE



PLAN

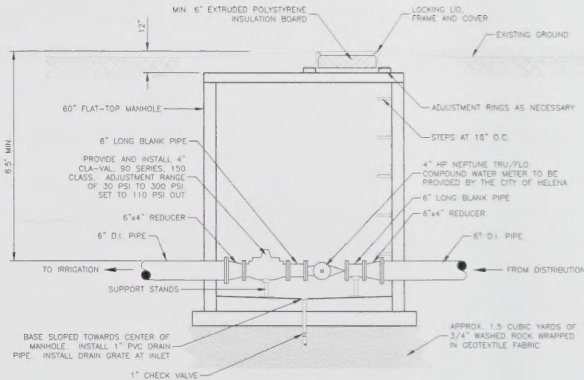


SECTION A-A

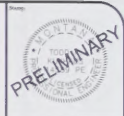
NOTES:

- CONTRACTOR TO PROVIDE STEEL ACCESS LID FOR 24-INCH DIAMETER CORRUGATED METAL PIPE AS MANUFACTURED BY ROSBORO STEEL OR APPROVED EQUAL. LID SHALL BE DESIGNED TO BE SECURED BY BOLTING OR 2 LOCKING HASPS. IF BOLTED, ALL BOLTS SHALL BE STAINLESS STEEL. PAINT LID DARK BROWN.
- PIPE SUPPORT BASES SHALL EITHER EXTEND TO UNDISTURBED SOIL OR HAVE 8" x 8" x 1/4" STEEL SUPPORT BASES TO SUPPORT PIPING.

BLOW-OUT VALVE BOX DETAIL
NOT TO SCALE



METER PIT DETAIL
NOT TO SCALE

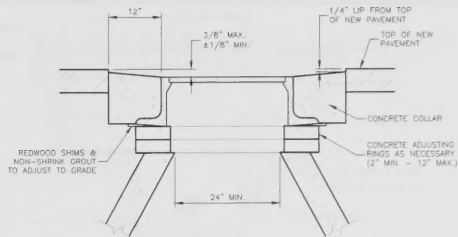


Centennial Park - 95% Submittal
DETAILS

CARL THUESEN
A S L A
CORPORATE ARCHITECTURE
LANDSCAPE ARCHITECTURE
5105 GRAND AVE. SUITE 100
F.O. BOX 22943
BELLINGHAM, WA 98221
360-252-4541 FAX 360-245-9805

Drawn by: DAA
Date: 1/15/02
Checked by: TPK
Date: 1/15/02
Rev: _____
File: _____

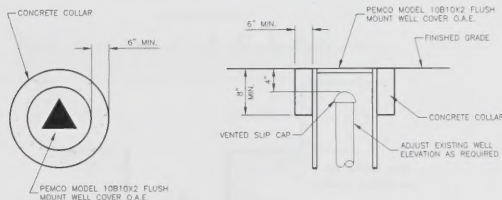
SHEET
C-31



NOTES:

1. ADJUST MANHOLES UPWARD BY ADDING BARREL SECTIONS TO MATCH GRADE, THEN PLACING ADJUSTING RINGS UNDER FRAME.
2. ADJUST MANHOLE DOWNWARD BY REMOVING CONE AND BARREL SECTIONS AS NECESSARY AND REPLACING WITH SECTIONS OF LENGTH REQUIRED TO MATCH GRADE.
3. SLOPE MANHOLE FRAME AS REQUIRED TO MATCH SLOPE OF STREET.
4. FINAL MANHOLE ADJUSTMENT SHALL BE MADE AFTER PAVING.

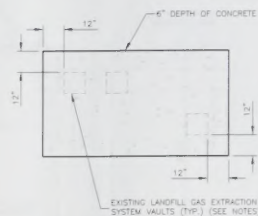
MANHOLE COVER ADJUSTMENT DETAIL (VEHICLE AREA)
NOT TO SCALE



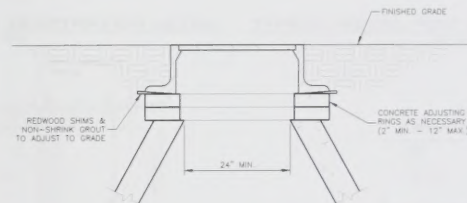
MONITORING WELL NOTES:

1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING WELL PROTECTOR FLUSH MOUNT VAULTS WITHOUT DAMAGE OR CONTAMINATION OF THE WELLS.
2. DAMAGE OR CONTAMINATION SHALL RESULT IN THE CONTRACTOR REPAIRING OR REPLACING THE WELL AT NO COST TO THE OWNER.

MONITORING WELL DETAIL
NOT TO SCALE



GAS EXTRACTION WELL DETAIL
NOT TO SCALE



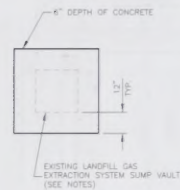
NOTES:

1. ADJUST MANHOLES UPWARD BY ADDING BARREL SECTIONS TO MATCH GRADE, THEN PLACING ADJUSTING RINGS UNDER FRAME.
2. ADJUST MANHOLE DOWNWARD BY REMOVING CONE AND BARREL SECTIONS AS NECESSARY AND REPLACING WITH SECTIONS OF LENGTH REQUIRED TO MATCH GRADE.

MANHOLE COVER ADJUSTMENT DETAIL (LANDSCAPED AREA)
NOT TO SCALE

GAS EXTRACTION AND SUMP VAULT NOTES:

1. CONTRACTOR SHALL REMOVE EXISTING CONCRETE AROUND EXISTING VAULTS, REMOVE AND SALVAGE EXISTING VAULTS, ADJUST VAULTS TO MATCH FINISHED GRADES, AND PLACE NEW CONCRETE AS SHOWN ON THE DRAWINGS.

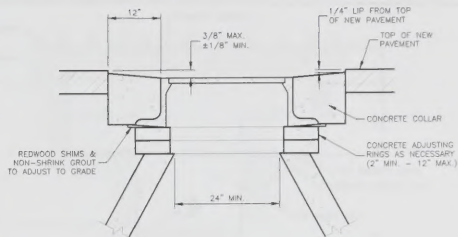


Centennial Park - 95% Submittal
DETAILS

CARL THUESSEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1020 GRAND AVE SUITE 100
P.O. BOX 22043
BILLINGS, MT 59101
(406) 592-5555 FAX 406-592-9055

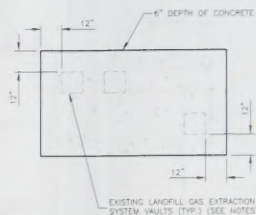
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Date: **11/18/22**
Checked by: **TKC**
Date: **11/18/22**
Rev: _____
File: _____

SHEET
C-32



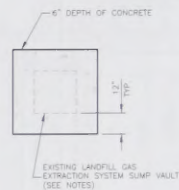
NOTES:

1. ADJUST MANHOLES UPWARD BY ADDING BARREL SECTIONS TO MATCH GRADE, THEN PLACING ADJUSTING RINGS UNDER FRAME.
2. ADJUST MANHOLE DOWNWARD BY REMOVING CONE AND BARREL SECTIONS AS NECESSARY AND REPLACING WITH SECTIONS OF LENGTH REQUIRED TO MATCH GRADE.
3. SLOPE MANHOLE FRAME AS REQUIRED TO MATCH SLOPE OF STREET.
4. FINAL MANHOLE ADJUSTMENT SHALL BE MADE AFTER PAVING.



GAS EXTRACTION AND SUMP VAULT NOTES:

1. CONTRACTOR SHALL REMOVE EXISTING CONCRETE AROUND EXISTING VAULTS, REMOVE AND SALVAGE EXISTING VAULTS, ADJUST VAULTS TO MATCH FINISHED GRADES, AND PLACE NEW CONCRETE AS SHOWN ON THE DRAWINGS.



MANHOLE COVER ADJUSTMENT DETAIL (VEHICLE AREA)

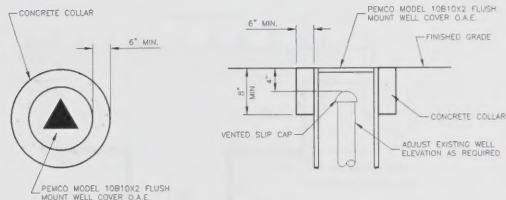
NOT TO SCALE

GAS EXTRACTION WELL DETAIL

NOT TO SCALE

SUMP ACCESS DETAIL

NOT TO SCALE

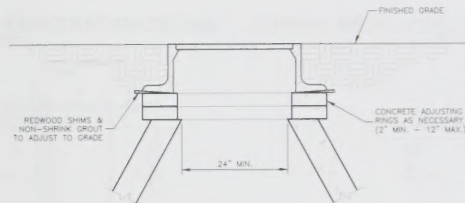


MONITORING WELL NOTES:

1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING WELL PROTECTOR FLUSH MOUNT VAULTS WITHOUT DAMAGE OR CONTAMINATION OF THE WELLS.
2. DAMAGE OR CONTAMINATION SHALL RESULT IN THE CONTRACTOR REPAIRING OR REPLACING THE WELL AT NO COST TO THE OWNER.

MONITORING WELL DETAIL

NOT TO SCALE



NOTES:

1. ADJUST MANHOLES UPWARD BY ADDING BARREL SECTIONS TO MATCH GRADE, THEN PLACING ADJUSTING RINGS UNDER FRAME.
2. ADJUST MANHOLE DOWNWARD BY REMOVING CONE AND BARREL SECTIONS AS NECESSARY AND REPLACING WITH SECTIONS OF LENGTH REQUIRED TO MATCH GRADE.

MANHOLE COVER ADJUSTMENT DETAIL (LANDSCAPED AREA)

NOT TO SCALE



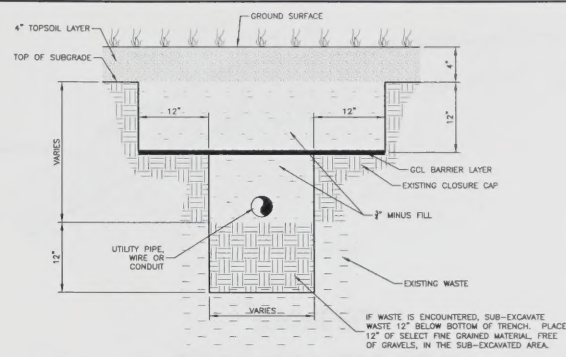
Centennial Park - 95% Submittal
DETAILS

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
102 GRAND AVE. SUITE 100
P.O. BOX 2290
BILINGS, MT 59104
406/232-0545 FAX 406/265-4855

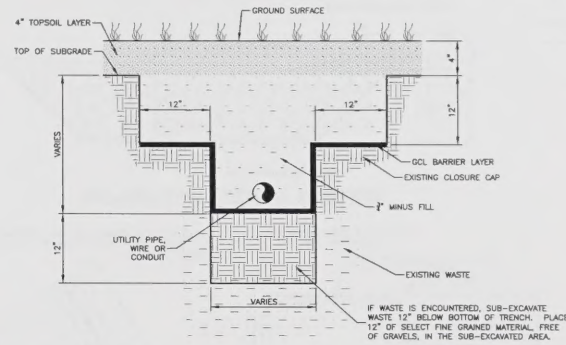
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Rev: _____
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SHEET
C-32

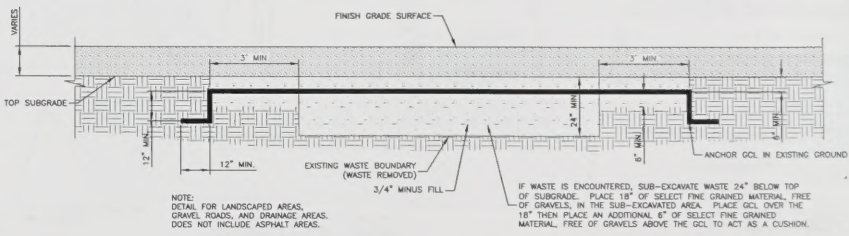
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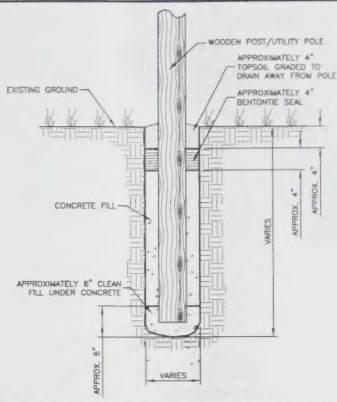
WATER AND SEWER TRENCH DETAIL (ENCOUNTERED WASTE)



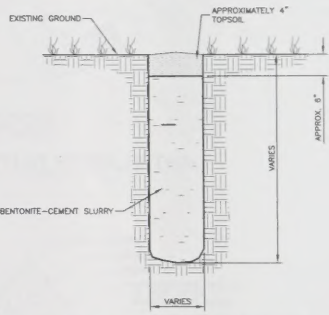
IRRIGATION TRENCH DETAIL (ENCOUNTERED WASTE)



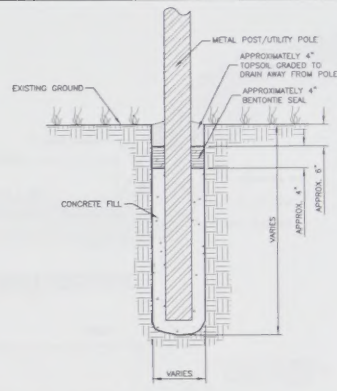
TYPICAL GRADING DETAIL (ENCOUNTERED WASTE)



TYPICAL WOODEN POST PENETRATION DETAIL



TYPICAL POST HOLE REMEDIATION DETAIL



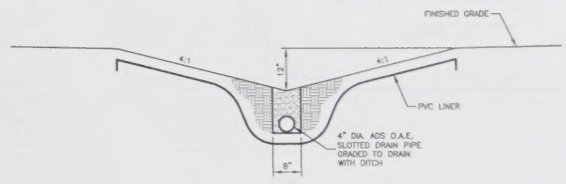
TYPICAL METAL POST PENETRATION DETAIL

3/4" MINUS FILL GRADATION

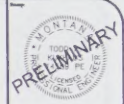
SIZE	% PASSING
# 10	100
No. 4	60-100
No. 20	15-40

SELECT FINE GRAINED MATERIAL

SIZE	% PASSING
# 10	100
# 20	95
No. 4	80
No. 10	40



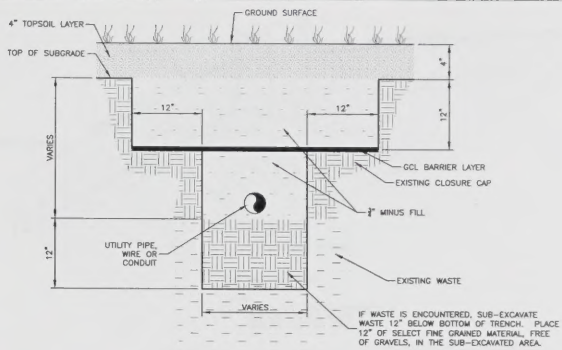
TYPICAL DITCH SECTION



Centennial Park - 95% Submittal
LANDFILL CLOSURE
DETAILS

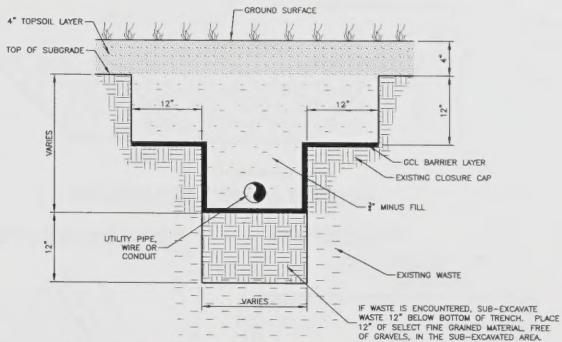
CARL THUESEN
A S I A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1810 GRAND AVE. SUITE 105
P.O. BOX 2250
BELLINGHAM, NH 03814
603/263-0545 FAX 263-9605

Drawn by: DAA
Date: 1/18/02
Checked by: TDS
Date: 1/18/02
Rev: _____
File: _____



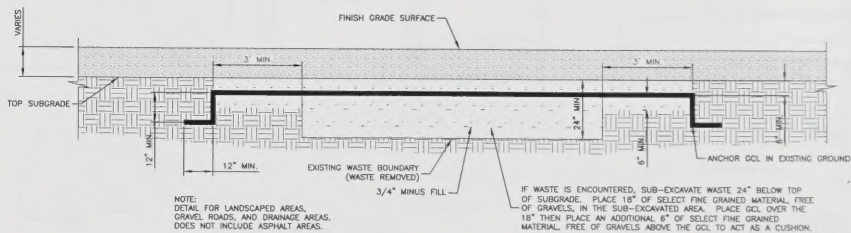
WATER AND SEWER TRENCH DETAIL (ENCOUNTERED WASTE)

NOT TO SCALE



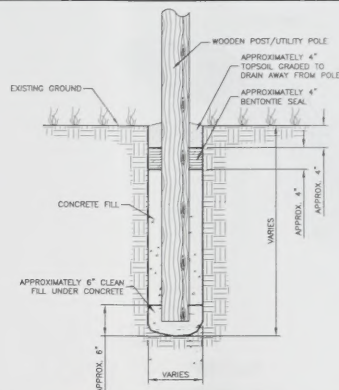
IRRIGATION TRENCH DETAIL (ENCOUNTERED WASTE)

NOT TO SCALE



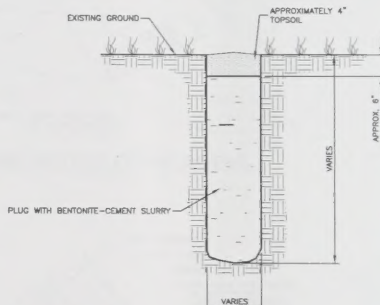
TYPICAL GRADING DETAIL (ENCOUNTERED WASTE)

NOT TO SCALE



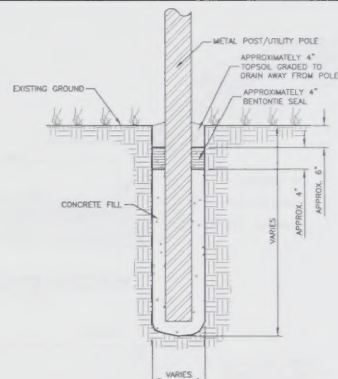
TYPICAL WOODEN POST PENETRATION DETAIL

NOT TO SCALE



TYPICAL POST HOLE REMEDIATION DETAIL

NOT TO SCALE



TYPICAL METAL POST PENETRATION DETAIL

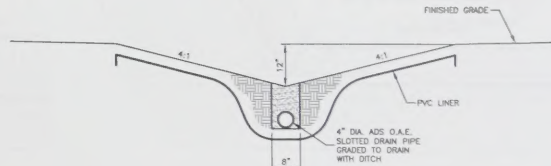
NOT TO SCALE

3/4\"/>

SIZE	% PASSING
2"	100
No. 4	60-100
No. 200	15-40

SELECT FINE GRAINED MATERIAL

SIZE	% PASSING
2"	100
No. 4	95
No. 40	60
No. 200	40



TYPICAL DITCH SECTION

NOT TO SCALE



Centennial Park - 95% Submittal
LANDFILL CLOSURE
DETAILS

CARL THUESEN
A S I A

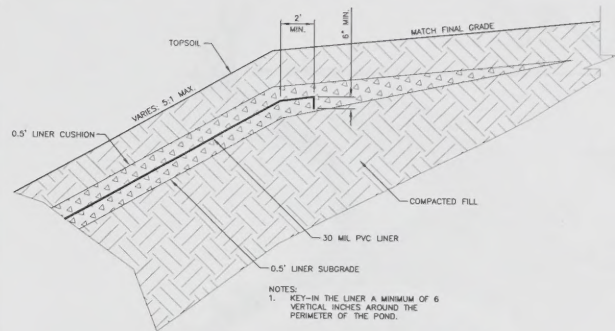
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1025 GRAND AVE. SUITE 100
P.O. BOX 2940
BELLINGHAM, WASH 98244
408/252-0545 FAX 252-4655

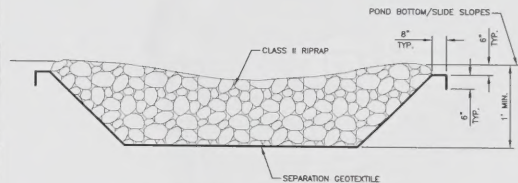
Drawn by: DAA
Date: 11/18/03
Checked by: TKK
Date: 11/18/03
Rev: _____
Rev: _____
File: _____

SHEET
C-33

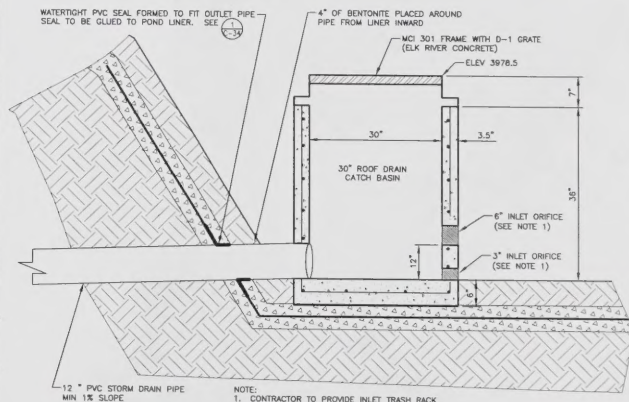
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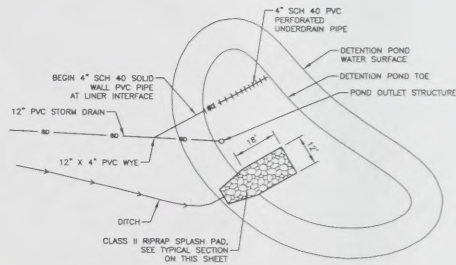
TYPICAL LINER KEY-IN DETAIL
NOT TO SCALE



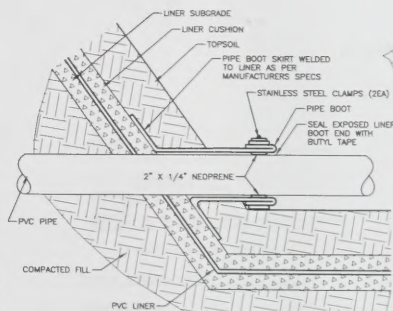
SPLASH PAD TYPICAL SECTION
NOT TO SCALE



OUTLET STRUCTURE AND PIPING
NOT TO SCALE

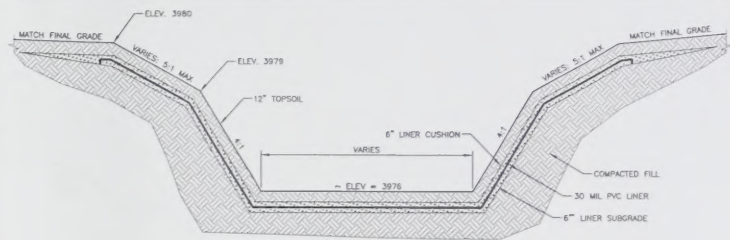


POND OUTLET PIPING DETAIL
NOT TO SCALE

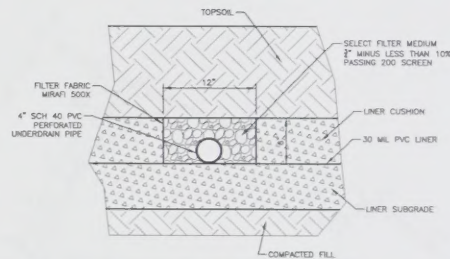


- NOTES:
1. PREFORM PIPE ROOT AS SHOWN
 2. ALL LINER PENETRATIONS TO BE AS PER MANUFACTURERS SPECIFICATIONS

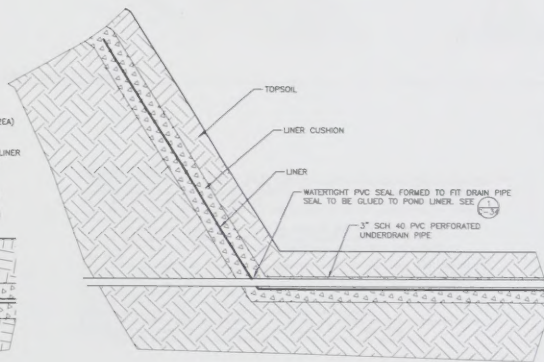
LINER PENETRATION DETAIL
NOT TO SCALE



TYPICAL POND SECTION
NOT TO SCALE



UNDERDRAIN PIPE DETAIL
NOT TO SCALE



- NOTES:
1. PLACE UNDERDRAIN PIPE WITHIN CUSHION SECTION.

UNDERDRAIN PIPING
NOT TO SCALE



Centennial Park - 95% Submittal
STORMWATER DETENTION
POND DETAILS

CARL THUESEN
A S E A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1022 GRAND AVE. SUITE 100
P.O. BOX 2940
BILLINGS, MT 59104
406/252-0448 FAX 252-9605

Drawn by: PAA
Date: 11/18/02
Checked by: TKK
Date: 11/18/02
Rev: _____
Rev: _____
File: _____

SHEET
C-34

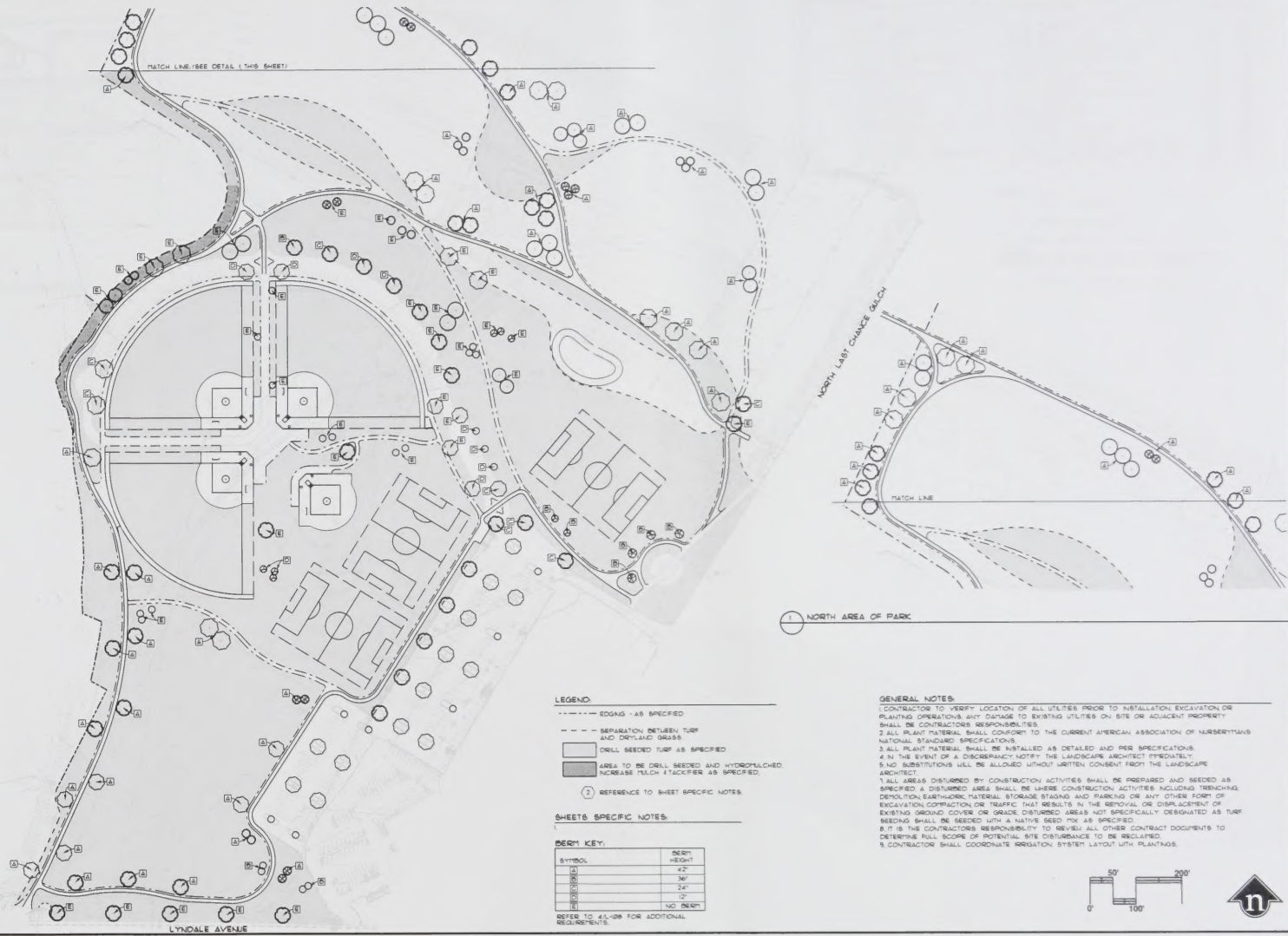


Centennial Park - 95% Submittal
OVERALL PLANTING PLAN

CARL THUSEN
A S L A
COST COAST ARCHITECTURE
LANDSCAPE ARCHITECTURE
1002 GRAND AVE. SUITE 100
PIA BOX 2043
BILINGS, MT 59104
(406) 233-5511 FAX 235-9053

Drawn by: CSG
Date: 1/26/89
Checked by: NGS
Date: 1/26/89
Rev: _____
Rev: _____
FIRM: CSG

SHEET
L-100





Centennial Park - 95% Submittal
OVERALL PLANTING PLAN

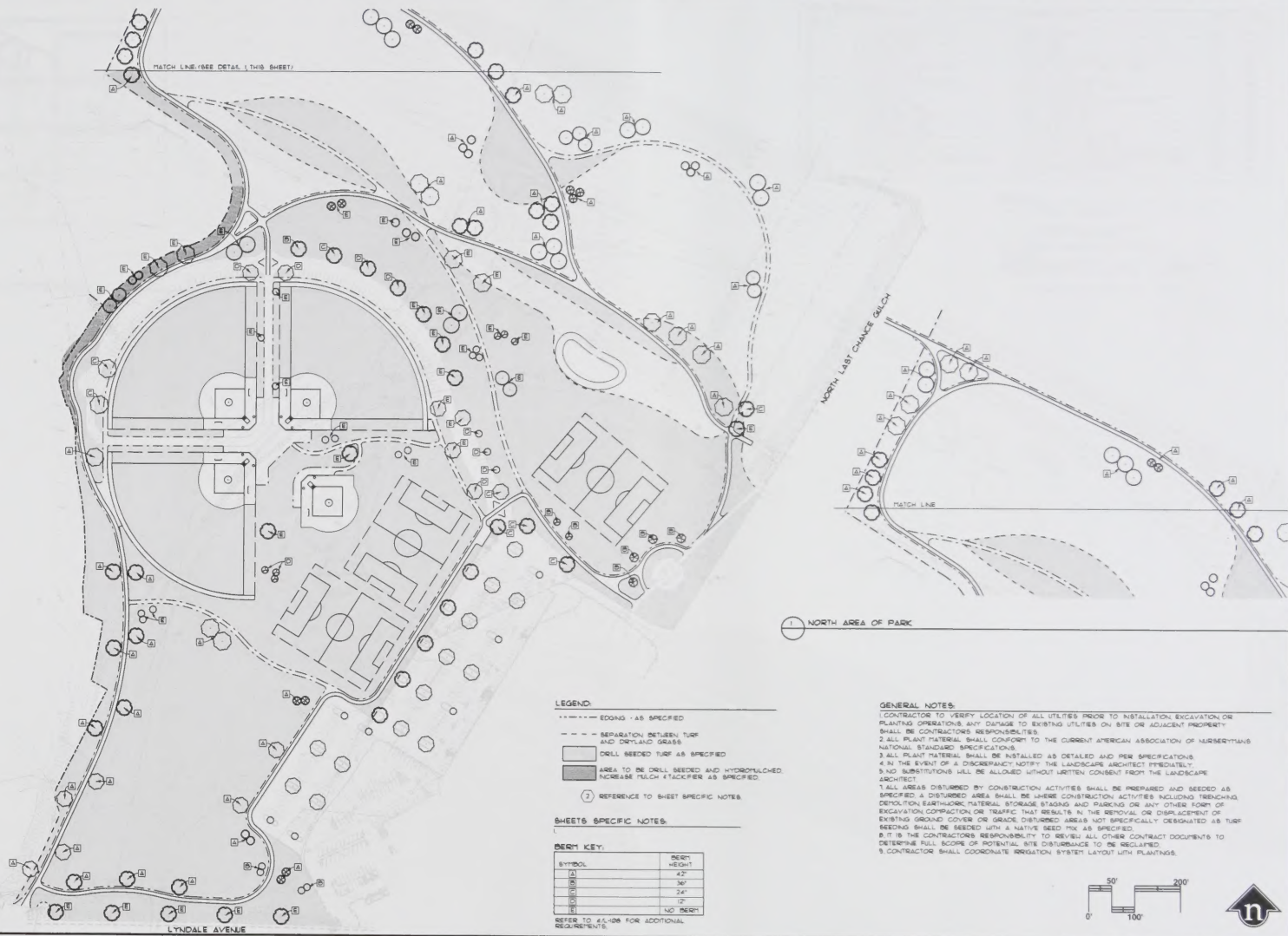
CARL THUESEN
A S L A

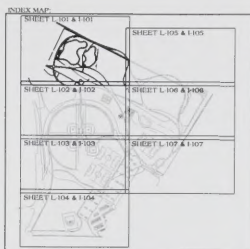
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1001 GRAND AVE. SUITE 100
PO BOX 200
BILINGS, MT 16104
406.235.5145 FAX 215-9055

Drawn by: CSC
Date: 1/20/00
Checked by: NGS
Date: 1/20/00
Rev: -
File: 10-000000-000000

SHEET
L-100





SHEET SPECIFIC NOTES:

PLANT SCHEDULE			
KEY	QTY	COMMON NAME	BOTANICAL NAME
TREES			
LS		COLORADO SPRUCE	PICEA KOENIGS
LSB		NORWAY SPRUCE	PICEA ABIES
AP		AUSTRIAN PINE	PIUS NIGRA
AT		ATLAS PINE	ACER DABAILLE PLANE MULTISTEM
CR		CANADA RED CHOKECHERRY	PRUNUS VIRGINIANA CANADA RED
TH		TATARIAN HAWTHORN	ACER TATARIUM
GL		BOUQUANT COTTONWOOD	POTANUS DELTOIDEA BOUQUANT
MB		HACKBERRY	CELTIS OCCIDENTALIS
PA		PATMORE ALB	FRAXINUS PENNSYLVANICA PATMORE
PC		PRINCE OF WALES	PALUS PRINCE OF WALES
SS		SPRING SNOW CRAB	PALUS SPRING SNOW
SO		SWAMP WHITE OAK	QUERCUS BICOLOR
SL		GREENSPRING LINDEN	TILIA CORDATE GREENSPRING
BL		REDWOOD LINDEN	TILIA AMERICANA REDWOOD
EL		NORTON GLOSSY ELM	ULMUS GLABER X TRUMPET NORTON GLOSSY
MC		AUTUMN SPLENDOR HORSECHESNUT	ALNUS X ARNOLDIANA AUTUMN SPLENDOR
TD		PAVLOV TREE	PRUNUS PADUS COMPOSITA

LEGEND

- EDGING - AS SPECIFIED
- - - - - SEPARATION BETWEEN TURF AND ORNLAND GRASS
- DRILL BEDDED TURF AS SPECIFIED
- AREA TO BE DRILL BEDDED AND HYDROMULCHED INCREASE TULCH ATTACKER AS SPECIFIED
- 2 REFERENCE TO SHEET SPECIFIC NOTES

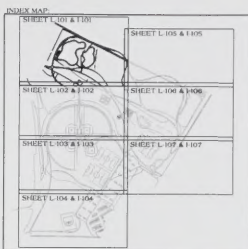


Centennial Park - 95% Submittal PLANTING PLAN

CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
1100 GRAND AVE. SUITE 100
P.O. BOX 22500
BILLINGS, MT 59109
406/252-3443 FAX 246-9885

Drawn by: GSG
Date: 11/28/09
Checked by: NGS
Date: 11/28/09
Rev: -
Rev: -
File: 09 SHEET L-101 PLANTING

SHEET
L-101

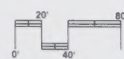


SHEET SPECIFIC NOTES:

PLANT SCHEDULE			
KEY	QTY	COMMON NAME	BOTANICAL NAME
TREES			
CS		COLORADO SPRUCE	PICEA PARVENSIS
SB		NORWAY SPRUCE	PICEA ABIES
AP		ALBIRCH	BETULA ALBA
AM		AMUR MAPLE	ACER SHARREI
CR		CANADA RED CHOKECHERRY	PRUNUS VIRGINIANA
TH		TATARIAN MAPLE	ACER TATARICUM
CH		BOUQUET COTONEWOOD	ROMULUS DELTOIDES
HB		HACKBERRY	CETUS OCCIDENTALIS
PA		PATMORE SH	FRAXINUS PENNSYLVANICA
PC		PALEGREEN CRAB	MALUS PALEGREEN
SB		SPRING SNOW CRAB	MALUS SPRING SNOW
SO		SUPT WHITE OAK	QUERCUS BICOLOR
GR		GREENHILL LINDEN	TYLA CORULTEA
BL		REDWOOD LINDEN	TYLA AMERICANA
EL		ELM	ULMUS ALBA
HC		HORTON GLOSSY ELM	ULMUS X GLABRA
PD		PAVOT TREE	PRUNUS RADIX

LEGEND

- EDGAS - AS SPECIFIED
- SEPARATION BETWEEN TURF AND DRYLAND GRASS
- DRILL BEDED TURF AS SPECIFIED
- AREA TO BE DRILL BEDED AND HYDROFLOCCED FOR GRASS PLANTING AS SPECIFIED
- REFERENCE TO SHEET SPECIFIC NOTES



Centennial Park - 95% Submittal PLANTING PLAN

CARL THUESEN
A S L A

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
100 GRANDVIEW DRIVE, SUITE 100
P.O. BOX 2284
BILLINGS, MT 59106
(406) 253-2284 FAX 253-5851

Drawn by: CSG
Date: 11/20/09
Checked by: NCS
Date: 11/20/09
Rev: -
Rev: -
File: 01 SHEET - L-101.PLT

SHEET
L-101



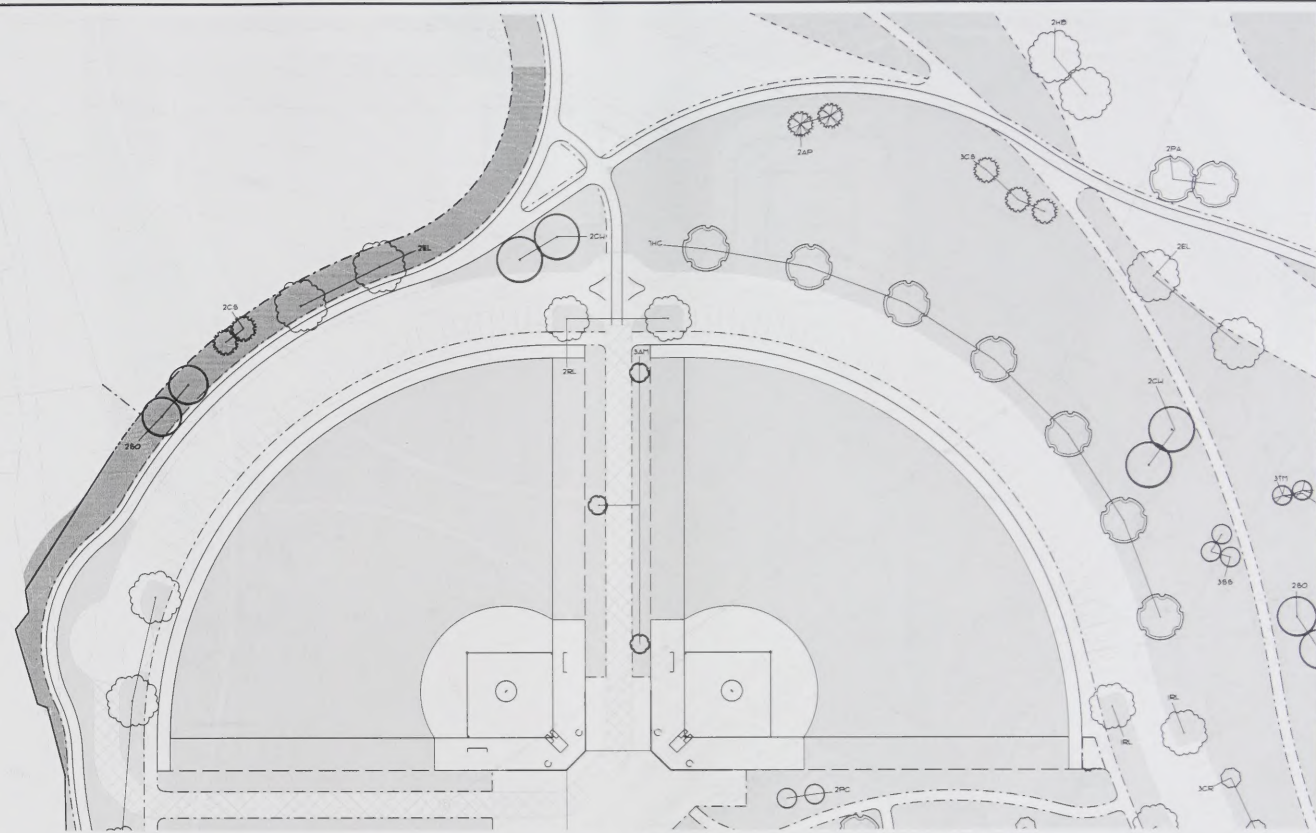
Centennial Park - 95% Submittal PLANTING PLAN

CARL THUESEN
A S L A
COURT COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1003 GRAND AVE. SUITE 100
P.O. BOX 12943
BILLINGS, MT 59104
(406) 252-5545 FAX 215-9805

Drawn by: CSG
Date: 1/28/09
Checked by: NGS
Date: 1/28/09
Rev: _____
Rev: _____
File: 07-SHEET-LAND-PLANTING

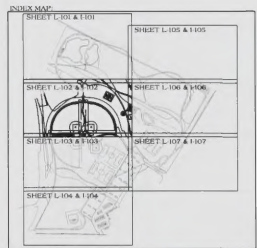
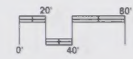
SHEET
L-102



PLANT SCHEDULE				
KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE
TREES				
C5		COLORADO SPRUCE	PICEA PUGENS	3-6 DBH
N5		NORWAY SPRUCE	PICEA ABIES	3-6 DBH
AP		AUSTRIAN PINE	PIUS NORA	3-6 DBH
AT		ATRA MAPLE	ACER GANULA FLAME POLYSTETI	11/2 DBH
C8		CANADA RED CHOKECHERRY	PRUNUS VIRGINIANA CANADA RED	11/2 DBH
TT		TATARIAN MAPLE	ACER TATARICUM	11/2 DBH
CU		BOUKLAND COTTONWOOD	POPULUS DELTOIDES BOUKLAND	2-1/2 DBH
UB		HACKBERRY	CELTIS OCCIDENTALIS	2-1/2 DBH
PA		PATMORE ASH	FRAXINUS PENNSYLVANICA PATMORE	2-1/2 DBH
PC		PRINCE OF GEORGE	PAULUS PRINCE OF GEORGE	11/2 DBH
BS		SPRING BROWN GRAB	PAULUS SPRING BROWN	11/2 DBH
BO		BLUNT WHITE OAK	QUERCUS BOULON	2-1/2 DBH
GL		GREENSPICE LINDEN	TLIA CORDATE GREENSPICE	2-1/2 DBH
AL		RESPOND LINDEN	TLIA AMERICANA RESPOND	2-1/2 DBH
EL		MORTON GLOBE ELY	ULMUS GLOBOSA X TRILUPA MORTON GLOBE ELY	2-1/2 DBH
HC		AUTUMN SPLENDOR HORSECHESNUT	AESCULUS X ARNOLDIANA AUTUMN SPLENDOR	2-1/2 DBH
TD		TRIDENT TREE	PRUNUS PADUS COTINATA	11/2 DBH

- LEGEND**
- EDGING - AS SPECIFIED
 - SEPARATION BETWEEN TURF AND ORNLAND GRASS
 - DRILL SEEDED TURF AS SPECIFIED
 - AREA TO BE DRILL SEEDED AND HYDROMULCHED INCREASE MULCH & TACKLER AS SPECIFIED
 - (7) REFERENCE TO SHEET SPECIFIC NOTES

SHEET SPECIFIC NOTES



SHEET SPECIFIC NOTES

L-102



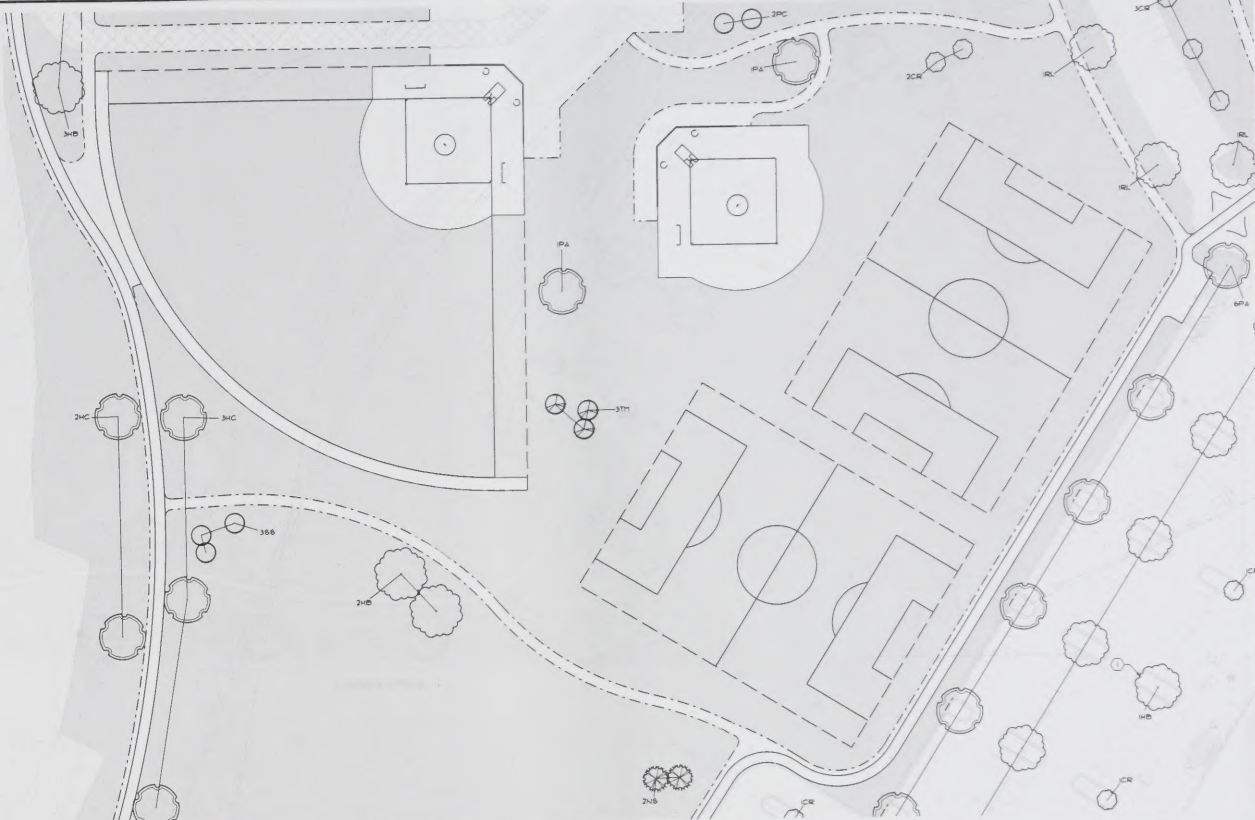
Centennial Park - 95% Submittal PLANTING PLAN

CARL THUESEN
A S L A

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
100 GRAND AVE., SUITE 100
BILLINGS, MT 59101
(406) 593-5555 FAX 406-593-5555

Drawn by: CSG
Date: 11/28/09
Checked by: NGS
Date: 11/28/09
Rev: _____
File: 09 - SHEET L-103 PLANTING PLAN

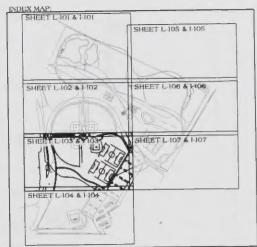
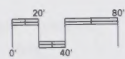
SHEET
L-103

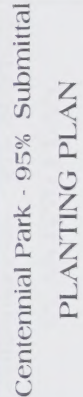


PLANT SCHEDULE				
KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE
TREES				
CS		COLORADO SPRUCE	PICEA PUNGENS	3-6'
NS		NORWAY SPRUCE	PICEA ABIES	3-6'
SP		AUSTRIAN PINE	PRINUS NIGRA	3-6'
AP		ATLIS MAPLE	ACER GANGLIA FLAME (MULTIBREY)	1-1/2"
CR		CANADA RED CHOCCHERRY	PRINUS VIRGINIANA CANADA RED	1-1/2"
TR		TATARIAN MAPLE	ACER TATARICUM	1-1/2"
CU		BOUQUANT COTTONWOOD	POPULUS DELTOIDES BOUQUANT	2-1/2"
NS		NORWAY SPRUCE	CELSTIS OCCIDENTALIS	2-1/2"
PA		PATMORE ASH	FRAXINUS PENNSYLVANICA PATMORE	2-1/2"
PC		PRINCE OF WALES	PRINUS VIRGINIANA	1-1/2"
BB		BIRCH BARK	PRINUS VIRGINIANA	1-1/2"
BO		BUMP WHITE OAK	QUERCUS BICOLOR	2-1/2"
GL		GREENHOUSE LINDEN	TELA CORCATA GREENHOUSE	2-1/2"
BL		BELFORD LINDEN	TELA AMERICANA BELFORD	2-1/2"
EL		ELTON GLOSSY ELM	ULMUS GLABRA X TARTAGIA 'MORTON GLOSSY'	2-1/2"
HC		HUTCHINSON HORSECHESNUT	ARJUNUS X ARJUNIANA HUTCHINSON	2-1/2"
PD		PAVLOV TREE	PRINUS PADUS CORPUSCULA	1-1/2"

- LEGEND**
- EDGING - AS SPECIFIED
 - SEPARATION BETWEEN TURF AND DRIVE/PAVING
 - DRILL BORED TURF AS SPECIFIED
 - AREA TO BE DRILL BORED AND HYDROPHILIC INCREASE TURF STACKER AS SPECIFIED
 - REFERENCE TO SHEET SPECIFIC NOTES

SHEET SPECIFIC NOTES
REFER TO L-103 FOR TREATMENT AT PARKING LOT ISLANDS



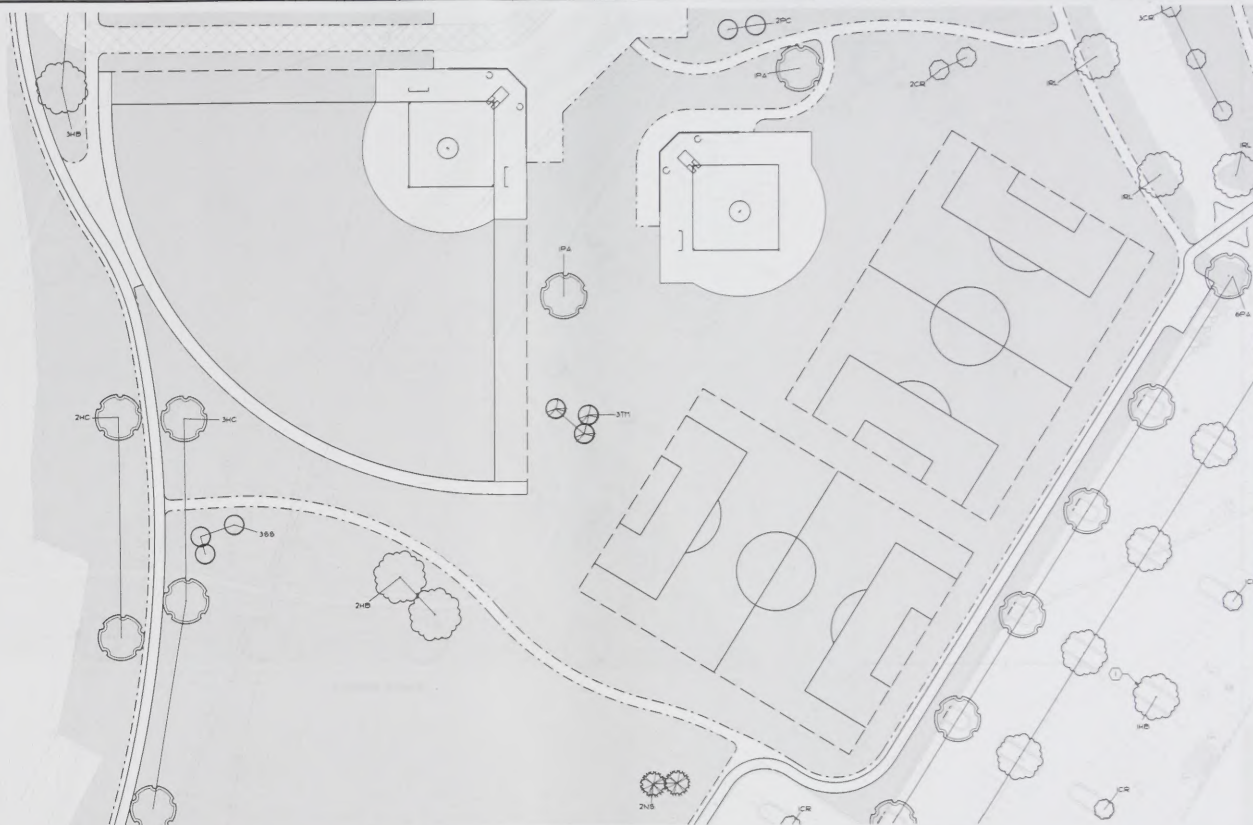


CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1925 GRAND AVE. SUITE 305
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5545 FAX 245-9855

Drawn by: CSO
Date: 11/20/09
Checked by: NGS
Date: 11/20/09
Rev: _____
Rev: _____
File: ED SHEET LOT PLANT.DGN

SHEET
L-103



SHEET L-101 & 1101	SHEET L-105 & 1105
SHEET L-102 & 1102	SHEET L-106 & 1106
SHEET L-103 & 1103	SHEET L-107 & 1107
SHEET L-104 & 1104	

PLANT SCHEDULE		BOTANICAL NAME		SIZE	ROOT
KEY	CITY	COMMON NAME			
TREES					
AS		COLORADO SPRUCE	PICEA RADIKATA	5-6'	DMS
SP		NOBLES SPRUCE	PICEA NUBILA	5-6'	DMS
CB		AUTUMN PINE	PRINUS NIGRA	5-6'	DMS
PL		PEAR	CAJAL PEARL PLANE (MORISTY)	10-12'	DMS
CB		CANADA RED CHOKEBERRY	PRINUS VIRGINICA CANADA RED	11-12'	DMS
TH		TATARIAN MAPLE	ACER TATARICUM	10-12'	DMS
BN		BLACK COTTONWOOD	POPULUS DELTOIDES BUCKLAND	10-12'	DMS
HC		HUCKLEBERRY	CELTIS OCCIDENTALIS	10-12'	DMS
BC		PACIFIC ARB	FRAXINUS PRINCEWILLIANA	10-12'	DMS
CB		REDWATER CEDAR	TALUS PRINCEWILLIANA	11-12'	DMS
SP		SPRING BUSH CAMEL	TALUS SPRING BUSH	10-12'	DMS
CB		BLUMP WHITE OAK	QUERCUS BICOLOR	24-28'	DMS
GO		GREYSPHERE LINDEN	LIRA GORDONIA GREYSPHERE	24-28'	DMS
GO		REDWOOD LINDEN	LIRA AMERICANA REDWOOD	24-28'	DMS
EL		NORTON GLOBEY ELI	ULMUS GLABRA X TRUPETUM NORTON GLOBEY	24-28'	DMS
SP		SPRING BUSH HORSECHERRY	ARJICULUS X ARJICULUM NORTON GLOBEY	24-28'	DMS
EL		FLAYDAY TREES	PRINUS PADUA X TRUPETUM	10-12'	DMS

LEGEND

EDGING - AS SPECIFIED

- - - - SEPARATION BETWEEN TURNS

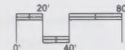
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AREA TO BE DRILL SEEDED AND HYDROMULCHED
INCREASE MULCH STACKER AS SPECIFIED.

② REFERENCE TO SHEET SPECIFIC NOTES

SHEET SPECIFIC NOTES:

I REFER TO US/06 FOR TREATMENT AT PARKING LOT ISLANDS





Centennial Park - 95% Submittal PLANTING PLAN

CARL THUSEN
A S E A

CORPORATE ARCHITECTURE
LANDSCAPE ARCHITECTURE

210 GRAND AVE. SUITE 100
BILLINGS, MT 59104
406.252.3543 FAX 245-9855

Drawn by: CSG

Date: 11/28/09

Checked by: NGS

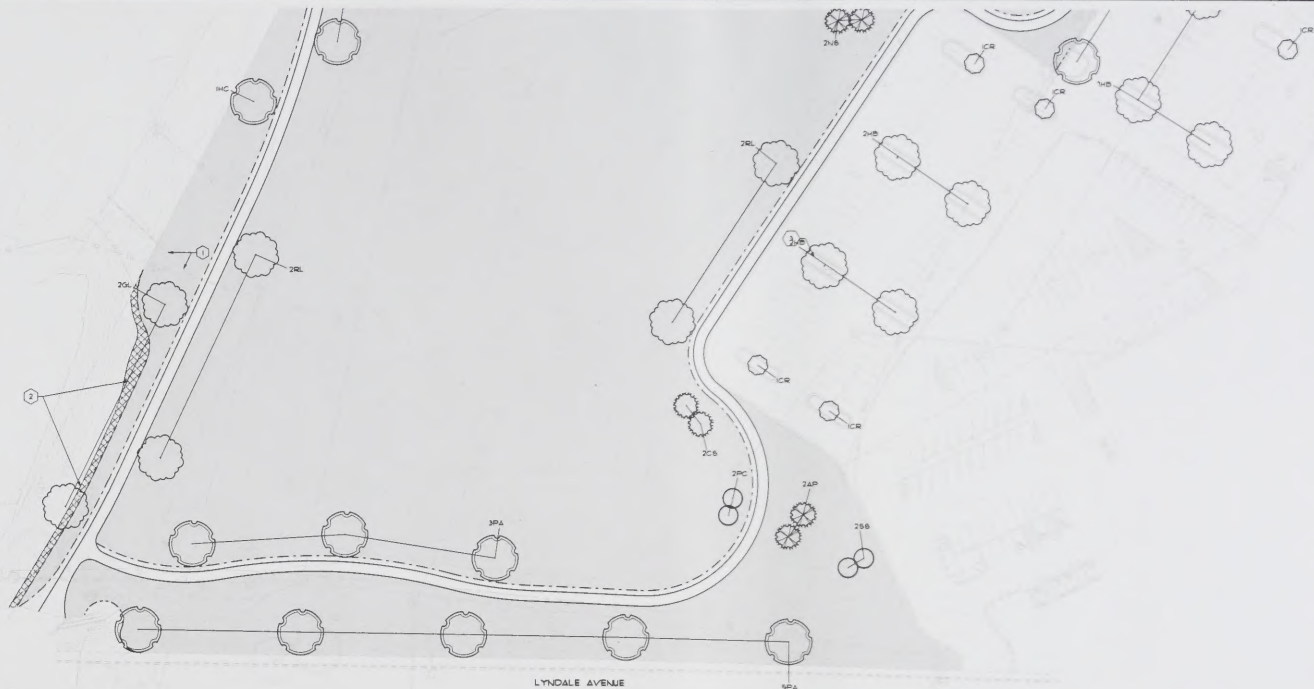
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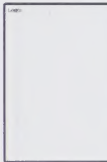
Rev: _____

Rev: _____

File: 09-10401-104

SHEET
L-104

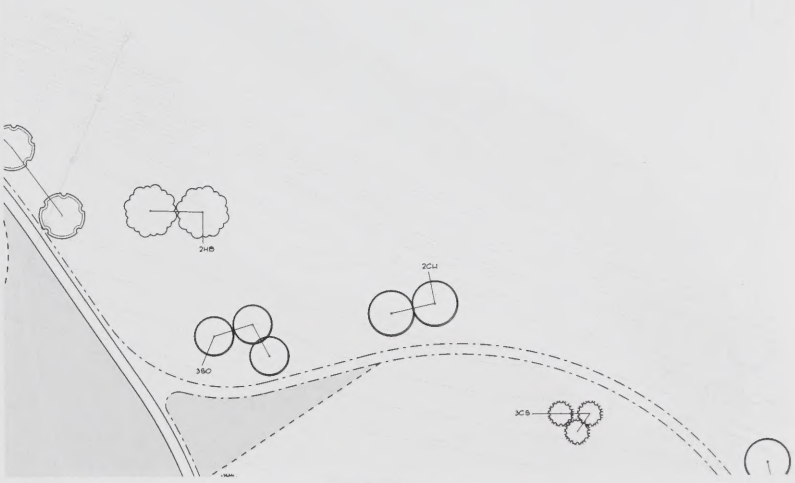




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SHEET
L-105

[illegible]

----- EDGING AS SPECIFIED

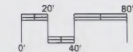
--- SEPARATION BETWEEN TURF
AND DRYLAND GRASS

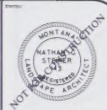
 DRILL SEEDED TURF AS SPECIFIED

 AREA TO BE DRILL SEEDED AND HYDROMULCHED
INCREASE MULCH 1" (ATK) AS SPECIFIED.

(2) REFERENCE TO SHEET SPECIFIC NOTES

SITE SPECIFIC NOTES:





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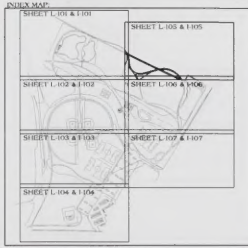
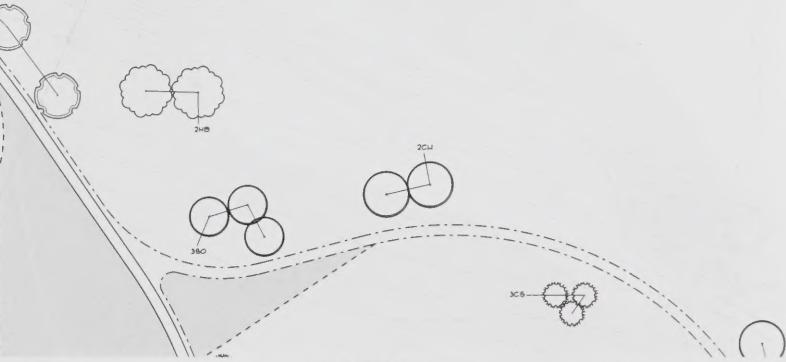
CARL THUESEN
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GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

180 GRAND AVE. SUITE 100
P.O. BOX 2243
BILIMING, MD 21034
410.255.5555 FAX 410.255.5555

Drawn by: CSC
Date: 11/20/09
Checked by: NGS
Date: 11/20/09
Rev: _____
Rev: _____
File: 09 SHEET L-105 PLANTING

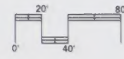
SHEET
L-105



PLANT SCHEDULE				
KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE
TREES				
CB		COLORADO SPRUCE	PICEA PARVENS	1'-6" DB
NB		NORWAY SPRUCE	PICEA ABIES	1'-6" DB
AP		AUSTRIAN PINE	PRINUS NERA	1'-6" DB
AT		ATLAS PINE	ACER GRANULA FLAME MULTI-BRCH	1'-2" DB
CR		CANADA RED CHOKECHERRY	PRINUS VIRGINIANA CANADA RED	1'-2" DB
TH		TATSIAN MAPLE	ACER TATSIAN	1'-2" DB
CU		BOUXLEAF COTONWOOD	POPULUS DELTOIDES BOUXLEAF	1'-2" DB
HB		HACKBERRY	CELTIS OCCIDENTALIS	2'-2" DB
PA		PALMISTO BIRCH	FRAXINUS PRINCEPATIANA PALMISTO	2'-2" DB
PC		PRAIRIE CRAB	ILLINOIS PRINCEPATIANA	1'-2" DB
BB		BURNING BUSH	ILLINOIS PRINCEPATIANA	1'-2" DB
BO		BURMA WHITE OAK	QUERCUS BICOLOR	2'-2" DB
GL		GREEN SPINE LINDEN	TILIA CORDATA GREEN SPINE	2'-2" DB
EL		ELM	TILIA AMERICANA REDWOOD	2'-2" DB
EL		ELM	ULMUS GLABRA X TRUPHEN PORTON GLOSSY	2'-2" DB
HC		AUTUMN SPLENDOR HORSECHESNUT	ABSCULUS X ARNOLDIANA AUTUMN SPLENDOR	2'-2" DB
HO		HONEY LOCUST	PRINUS PRINUS CORNUTA	1'-2" DB

LEGEND:
----- EDGEO - AS SPECIFIED
--- SEPARATION BETWEEN TURF AND DRYLAND GRASS
[] DRILL SEEDING TURF AS SPECIFIED
[] AREA TO BE DRILL SEEDING AND HYDROSEEDING INCREASE MULCH THICKNESS AS SPECIFIED
(2) REFERENCE TO SHEET SPECIFIC NOTES

SITE SPECIFIC NOTES:





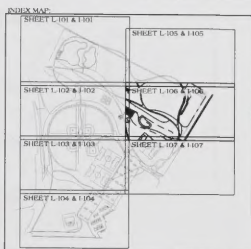
Centennial Park - 95% Submittal PLANTING PLAN

CARL THUESEN
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GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
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Drawn by: CSG
Date: 11/20/88
Checked by: NGS
Date: 11/20/88
Rev: _____
Rev: _____
File: 02 SHEET L-106 PLANTING

SHEET
L-106



PLANT SCHEDULE				
KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE
TREES				
CB		COLORADO SPRUCE	PICEA PARVENS	5-6' DB
VB		LOBLODY SPRUCE	PICEA MARIA	5-6' DB
AP		ALSTERN PINE	PRINUS NORIS	5-6' DB
APR		ATLAS PINE	PRINUS NORIS	5-6' DB
CB		CANADA RED CHOCOCERRY	ACER GRANULA PLUM (MULTISTEM)	11/2' DB
TH		TATARIAN MAPLE	PRINUS NORIS	11/2' DB
CH		BLACKLAND COTTONWOOD	ACER TATARICUM	11/2' DB
HB		HICKORY	POPULUS DELTOIDES BLACKLAND	21/2' DB
PA		PATMORE ASH	CELTIS OCCIDENTALIS	21/2' DB
PC		PRINCESS CRAB	FRAXINUS PENNSYLVANICA PATMORE	21/2' DB
BB		BROWN BROWN CRAB	FRAXINUS PENNSYLVANICA PATMORE	21/2' DB
BO		BLUNT WHITE OAK	QUERCUS BICOLOR	11/2' DB
GO		GREENSPRING LINDBERGH	QUERCUS BICOLOR	11/2' DB
RL		REDPOND LINDBERGH	QUERCUS BICOLOR	11/2' DB
EL		EMERALD LINDBERGH	QUERCUS BICOLOR	11/2' DB
HC		HAWKWOOD HORSECHESNUT	ARJUNIA X JAPONICA	21/2' DB
TD		THORN TREE	PRINUS NORIS	11/2' DB

LEGEND

----- EDGING - AS SPECIFIED

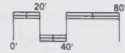
--- SEPARATION BETWEEN TURF AND DRYLAND GRASS

DRILL SEEDING TURF AS SPECIFIED

AREA TO BE DRILL SEEDING AND HYDROSEEDING INCREASE TURF TACKLER AS SPECIFIED

2 REFERENCE TO SHEET SPECIFIC NOTES

SHEET SPECIFIC NOTES





Centennial Park - 95% Submittal
PLANTING PLAN

CARL THUESEN
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**GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE**
1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104

Drawn by: CSG

Date: 11/20/09

Checked by: NGS

Date: IV/20/09

RCV:

Rev: _____

REV: _____

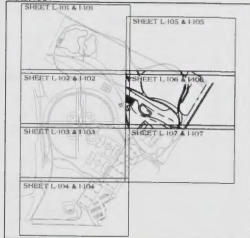
FILE NO. 100-1000000000

SHEET

L-106 A



INDEX MAP



PLANT SCHEDULE:

KEY	QTY	COMMON NAME	BOTANICAL NAME	BIS	BOOI
1	1	COLORADO SPRUCE	PICEA PARVENS	1-0	DSF
1B	1	NORWAY SPRUCE	PICEA ABIES	0-0	DSF
2	1	AUSTRIAN FIR	ABIES NORDI	0-0	DSF
3	1	ATL. PINE	SCIRUS DIMILIS FLAME MULTISTRI	0-0	DSF
4	1	CANADA RED CHOCHEBERRY	PRUNUS VIRGINIANA CANADA RED	1-0/2	DSF
5	1	TALISMAINE	SCIRUS OCCIDENTAL	2-0/2	DSF
6	1	BOXWOOD GOTTENBOM	FORNIALIS DOLIOES BOXWOOD	2-0/2	DSF
7	1	HICKORY	FRAXINUS	2-0/2	DSF
8A	1	REDWOOD ASH	FRAXINUS PENNSYLVANICA PATMORE	2-0/2	DSF
9	1	PALEASH	FRAXINUS	2-0/2	DSF
10	1	SPRING SHED CEDAR	FRAXINUS	1-0/2	DSF
11	1	SLUMP WHITE OAK	QUERCUS BICOLOR	2-0/2	DSF
12	1	GREENING LINDBER	QUERCUS BICOLOR	2-0/2	DSF
13	1	REDWOOD LINDBER	QUERCUS BICOLOR	2-0/2	DSF
14	1	NORWAY SPRUCE	QUERCUS BICOLOR	2-0/2	DSF
15	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
16	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
17	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
18	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
19	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
20	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
21	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
22	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
23	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
24	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
25	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
26	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
27	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
28	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
29	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
30	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
31	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
32	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
33	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
34	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
35	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
36	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
37	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
38	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
39	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
40	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
41	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
42	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
43	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
44	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
45	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
46	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
47	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
48	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
49	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
50	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
51	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
52	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
53	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
54	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
55	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
56	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
57	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
58	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
59	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
60	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
61	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
62	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
63	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
64	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
65	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
66	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
67	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
68	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
69	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF
70	1	ATL. PINE	QUERCUS BICOLOR	2-0/2	DSF

LEGENDA

----- EDGING - 48 SPECIFIED

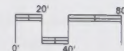
- - - - SEPARATION BETWEEN TURF

☐ DRILL SEEDED TURF AS SPECIFIED

AREA TO BE DRILL SEEDED AND HYDROMULCHED
INCREASE MULCH 1 TACKIFIER AS SPECIFIED.

2 REFERENCE TO SHEET SPECIFIC NOTES

SHEET SPECIFIC NOTES:



SHEET
L-106



1000

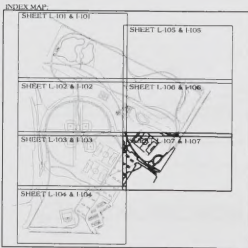
Centennial Park - 95% Submittal PLANTING PLAN

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GOLF COURSE ARCHITECTURE
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Drawn by: GSC
Date: 1/28/89
Checked by: NGS
Date: 1/28/89
Rev: -
Rev: -
File: GP SHEET L-107 PLANT.DGN

SHEET
L-107



PLANT SCHEDULE

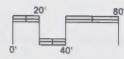
KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT
TREES					
CB		COLORADO SPRUCE	PICEA RUGENS	5'-6"	DB
MB		NORWAY SPRUCE	PICEA ABIES	5'-6"	DB
AP		AUSTRIAN PINE	PIUS. NIGRA	3'-6"	DB
AM		ATLANTIC MAPLE	ACER GAMBIA PLANE (MULTI-STEM)	1'-2"	DB
CB		CANADA RED CHOCHEBERRY	PRUNUS VIRGINIANA CANADA RED	1'-2"	DB
TH		TATARIAN MAPLE	ACER TATARICUM	1'-2"	DB
CH		BOKULAND COTTONWOOD	POPULUS DELTOIDES BOKULAND	2'-2"	DB
MB		HACKBERRY	CETIA OCCIDENTALIS	2'-2"	DB
PA		PATMORE ASH	FRAXINUS PENNSYLVANICA PATMORE	2'-2"	DB
PC		INDIAN PRUNE	PRUNUS INDICA	1'-2"	DB
BS		BIRCH BIRCH OAK	QUERCUS BICOLOR	1'-2"	DB
BO		BIRCH WHITE OAK	QUERCUS BICOLOR	2'-2"	DB
GL		GREENSPRING LINDEN	TRILIA COCALES GREENSPRING	2'-2"	DB
RL		REDSPRING LINDEN	TRILIA AMERICANA REDSPRING	2'-2"	DB
EL		MORTON GLOBE ELY	ULMUS GLABRA X TRUMPUS MORTON GLOBE	2'-2"	DB
HC		AUTUMN BRILLIANT HORSECHESNUT	ARCEUTUS X ARNOLDIANA AUTUMN BRILLIANT	2'-2"	DB
HD		HAYDAY TREE	PRUNUS PADUS COMPTONIA	1'-2"	DB

LEGEND

- EDGING - AS SPECIFIED
- SEPARATION BETWEEN TURF AND DRYLAND GRASS
- DRILL BEDED TURF AS SPECIFIED
- AREA TO BE DRILL BEDED AND HYDROTREATED INCREASE MULCH 4" DEEPER AS SPECIFIED
- REFERENCE TO SHEET SPECIFIC NOTES

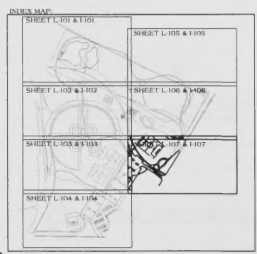
SHEET SPECIFIC NOTES

REFER TO S-109 FOR TREATMENT AT PARKING LOT ISLANDS





NORTH EAST CHANCE BALCH

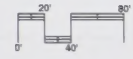


PLANT SCHEDULE

KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT
TREES					
CS		COLORADO SPRUCE	PICEA PARSONS	3'-6"	DBD
US		NOBLE SPRUCE	PICEA ADAMS	3'-6"	DBD
AP		AUSTRIAN PINE	PRINUS NORDA	3'-6"	DBD
AM		AMERICAN PINE	ACER GRANATA 'FLAME' (MULTI-STEM)	11'-2"	DBD
CS		CANADIAN RED CHOKECHERRY	PRINUS VIRGINIANA 'CANADIAN RED'	11'-2"	DBD
TH		TATARIAN MAPLE	ACER TATARICUM	11'-2"	DBD
CU		CORONADO COTONWOOD	POPULUS DELTOIDES 'BOWLAND'	2'-2"	DBD
HO		HOLLYHERRY	CELTIS OCCIDENTALIS	2'-2"	DBD
PA		PATMORE ALB	FRAXINUS PENNSYLVANICA 'PATMORE'	2'-2"	DBD
PC		PRINCE OF WALES CEDAR	PRINUS PRINCE OF WALES	11'-2"	DBD
SS		SPRING BROAD CEDAR	PRINUS SPRING BROAD	11'-2"	DBD
SO		SOUTHERN WHITE OAK	QUERCUS BICOLOR	2'-2"	DBD
OL		GREENSPRING LINDEN	TILIA COROLATA 'GREENSPRING'	2'-2"	DBD
RL		REDSPRING LINDEN	TILIA AMERICANA 'REDSPRING'	2'-2"	DBD
EL		ELM	ULMUS GLABRA X TRUNCATA 'MORTON GLOBE'*	2'-2"	DBD
HC		AUTUMN BALDOR HORSECHESNUT	ASCAULUS X ARNOLDIANA 'AUTUMN BALDOR'	2'-2"	DBD
PD		PLAYDAY TREE	PRINUS PRINUS COMPACTA	11'-2"	DBD

- LEGEND**
- EDGING - AS SPECIFIED
 - SEPARATION BETWEEN TURF AND DRYLAND GRASS
 - DRILL SEEDING TURF AS SPECIFIED
 - AREA TO BE DRILL SEEDING AND HYDROSEEDING INCREASE TURF (STACKER) AS SPECIFIED
 - 2 REFERENCE TO SHEET SPECIFIC NOTES.

SHEET SPECIFIC NOTES
 (REFER TO 311-088 FOR TREATMENT AT PARKING LOT ISLANDS)

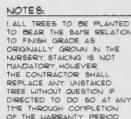


Centennial Park - 95% Submittal PLANTING PLAN

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 LANDSCAPE ARCHITECTURE
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Drawn by: CSG
 Date: 11/20/00
 Checked by: NLS
 Date: 11/20/00
 Rev: _____
 Rev: _____
 FILE: 00 - SHEET - L-107 - PLANT.DGN

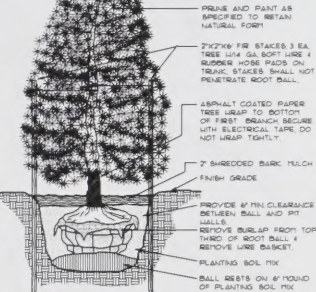


- ASPHALT COATED PAPER
- TREE WRAP TO BOTTOM OF
- FIRST BRANCH SECURE
- WITH ELECTRICAL TAPE, DO
- NOT WRAP TIGHTLY.
- 2" SHREDDED BARK MULCH
- FINISH GRADE
- PROVIDE 6" MIN. CLEARANCE
- BETWEEN BALLS AND PIT
- WALLS.
- REMOVE BURLAP FROM TOP
- THIRD OF ROOT BALL &
- REMOVE WIRE BASKET.

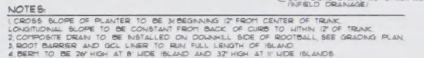
BALL RESTS ON 6" MOUND
OF PLANTING SOIL MIX.

PLANTING

NOT TO SCALE

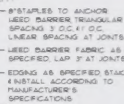


2 CONIFEROUS TREE PLANTING



3) PLANTING AT PARKING ISLAND

NOT TO SCALE



④ EDGING, MULCH & FABRIC

NOT TO SCALE

LEGEND (REFER TO DETAIL FOR SPECIFIC DIMENSION LOCATIONS)			
TREE	1/2" DECID	2 1/4" DECID	EVERGREEN
A (WIDTH AT TOP BERM)	48"	72"	72"
B (HEIGHT OF BERM)	36"	42"	42"
C (WIDTH AT BASE OF BERM)	28"	34"	34"

NOTES:
 1. DETAIL APPLIES TO ALL NEW TREES UNLESS NOTED OTHERWISE ON L-100. REFER TO L-100 FOR MODIFICATIONS TO HEIGHT & WIDTH OF BERMS IN SPECIFIC LOCATIONS. IN LOCATIONS WHERE HEIGHT OF THE BERM IS ADJUSTED WITH AT BASE OF BERM TO BE MAINTAINED (E.G., 24" DECIDUOUS TREE BERM MODIFIED TO 24" TALL RELOCATED TO A BASE WIDTH OF 27").
 2. BLEND GRASSES BETWEEN MULTIPLE TREE LOCATIONS TO CREATE A NATURAL LOOK.
 3. GRASSES & SINGLE TREES TO BE UNIFORM BLEND BASE INTO SURROUNDING AREA.
 4. MAINTAIN POSITIVE DRAINAGE AT ALL POINTS.
 5. REFER TO PLANTING DETAILS ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.



4 TYPICAL BERM DETAIL AT TREE PLANTING

NOT TO SCALE

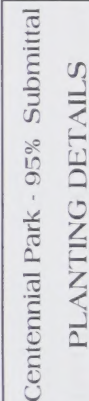
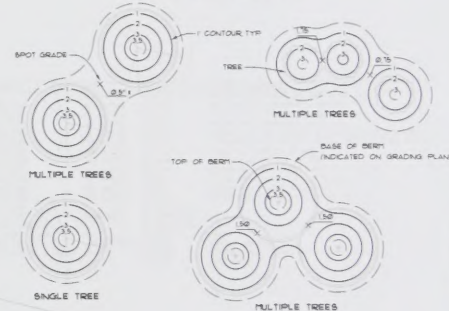
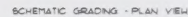
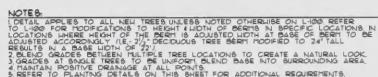
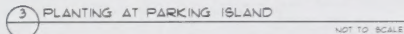
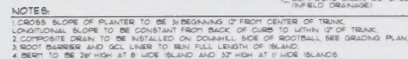
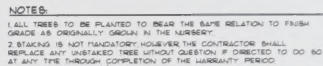
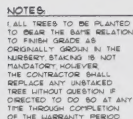
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GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

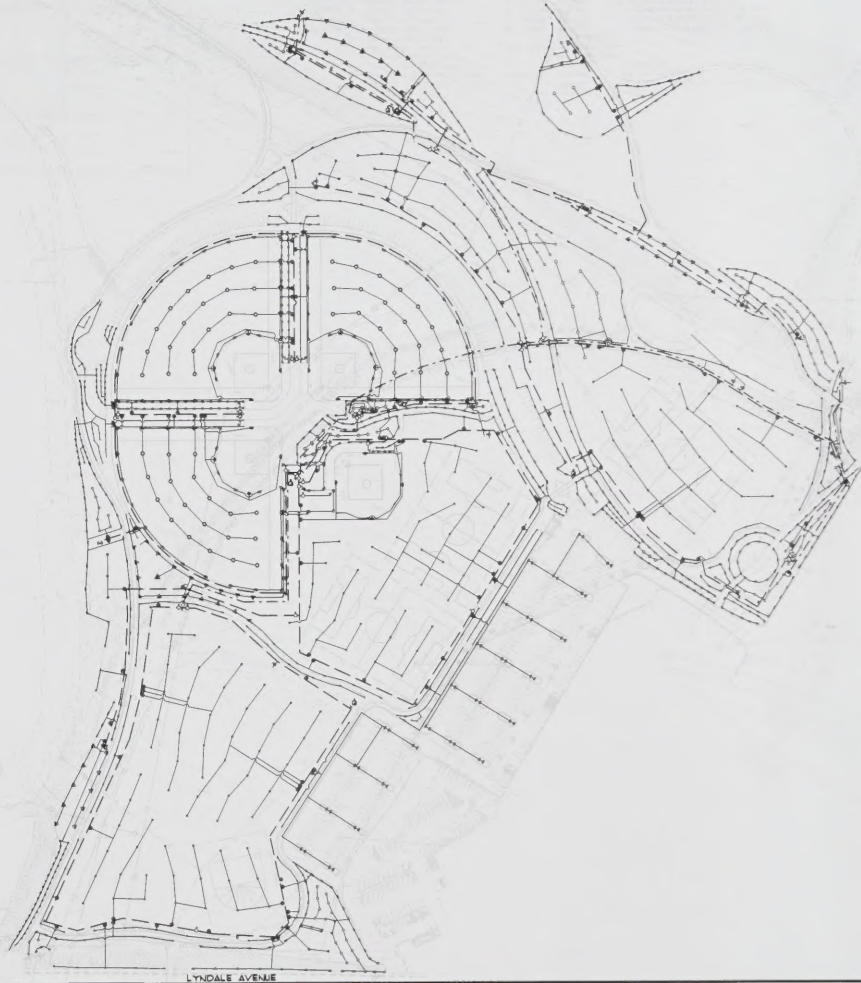
1925 GRAND AVE. SUITE 105
P.O. BOX 22945
BILLINGS, MT 59104
406/252-5545 FAX 245-9055

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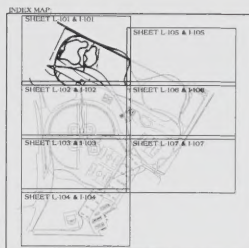
SHEET
L-108



L-108



1-100



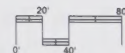
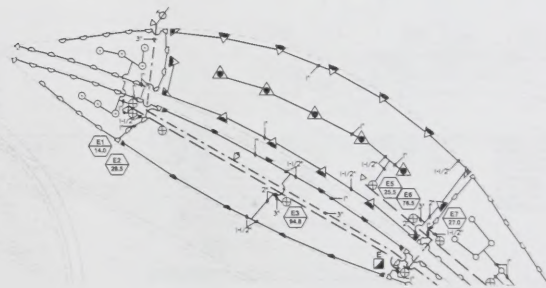
LEGEND

SYMBOL	DESCRIPTION	SIZE	MANUF	MODEL NUMBER
□	BUBBLER	BUBBLER	HUNTER	PROB-04-CV-PON-0.10 GPM @ 30 PSI
●	SPRAY SPRINKLER	9 RADUS	HUNTER	PROB-04-CV-8 SERIES @ 30 PSI
●	SPRAY SPRINKLER	17 RADUS	HUNTER	PROB-04-CV-12 SERIES @ 30 PSI
●	SPRAY SPRINKLER	19 RADUS	HUNTER	PROB-04-CV-15 SERIES @ 30 PSI
●	ROTOR SPRINKLER	8 RADUS	HUNTER	129-ADY/36V-64 SERIES 0.58H-0.9-2.0 @ 50 PSI
●	ROTOR SPRINKLER	29 RADUS	HUNTER	129-ADY/36V-64 SERIES 0.78H-1.5-3.0 @ 50 PSI
●	ROTOR SPRINKLER	43 RADUS	HUNTER	129-04-5.5 GPM @ 10 PSI
●	ROTOR SPRINKLER	49 RADUS	HUNTER	129-04-7.13 GPM @ 10 PSI
●	ROTOR SPRINKLER	53 RADUS	HUNTER	129-04-10.2 GPM @ 10 PSI
●	ROTOR SPRINKLER	53 RADUS	HUNTER	129-04-18.5H-0.2 GPM @ 10 PSI
●	ROTOR SPRINKLER	62 RADUS	HUNTER	129-04-18.5 GPM @ 10 PSI
●	ROTOR SPRINKLER	62 RADUS	HUNTER	129-04-18.5H-0.16.5 GPM @ 10 PSI
○	AIR RELEASE VALVE	LINE SIZE	AS SPECIFIED	
○	ISOLATION VALVE	7"	AS SPECIFIED	
○	QUICK COUPLING VALVE	HUNTER	10-44-LEC	
○	ELECTRIC CONTROL VALVE	AS NOTED	CY-48 SERIES	
○	PISTON VALVE/FLOW SENSOR	2"/2"	HUNTER	CV-280-48-CC @ 85 PSILW H54-CT-308
○	ST SENSOR	HUNTER	ET-SENSOR	

LEGEND (CONT.)

SYMBOL	DESCRIPTION	SIZE	MANUF	MODEL NUMBER
□	SATELLITE CONTROLLER	30 STATION	HUNTER	ACC-3000-PRO SEE 2101 FOR ADDITIONAL REQUIREMENTS
□	SATELLITE CONTROLLER	24 STATION	HUNTER	ACC-2400-PRO SEE 2101 FOR ADDITIONAL REQUIREMENTS
□	SATELLITE CONTROLLER	24 STATION	HUNTER	ACC-2400-PRO SEE 2101 FOR ADDITIONAL REQUIREMENTS
□	IRRIGATION MAIN-PVC	48 INCH		CLASS 200
□	IRRIGATION SUB-MAN-PVC	7"		CLASS 200
□	LATERAL LINE - PVC	SEE NOTES		CLASS 200
□	BLEEDS - PVC	SEE DETAIL		SCHEDULE 40
□	BACKFLOW DEVICE			
□	REFERENCE TO SHEET SPECIFIC NOTES			

SHEET SPECIFIC NOTES



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IRRIGATION PLAN

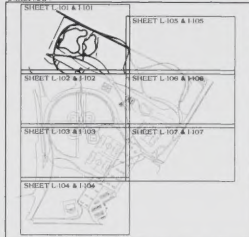
CARL THUESEN
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Checked by: NGS
Date: 11/28/09
Rev: -
Rev: -
File: 02-34887-10-101.dwg

SHEET
1-101



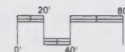
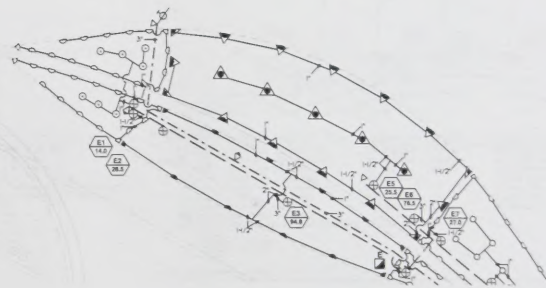
INDEX MAP



SYMBOL	DESCRIPTION	SIZE	MANUF.	MODEL NUMBER
	BUBBLER	HUNTER		PRO-S-04-CV-PCN-10 (1.0 GPM @ 30 PSI)
	SPRAY SPRINKLER	8 RADUS	HUNTER	PRO-S-04-CV-8 SERIES @ 30 PSI
	SPRAY SPRINKLER	12 RADUS	HUNTER	PRO-S-04-CV-12 SERIES @ 30 PSI
	ROTOR SPRINKLER	15 RADUS	HUNTER	PRO-S-04-CV-15 SERIES @ 30 PSI
	ROTOR SPRINKLER	18 RADUS	HUNTER	120-ADV/36V-68 SERIES (2.50+/-0.20 @ 50 PSI)
	ROTOR SPRINKLER	25 RADUS	HUNTER	120-ADV/36V-68 SERIES (2.50+/-0.20 @ 50 PSI)
	ROTOR SPRINKLER	45 RADUS	HUNTER	125-04-4.5 (1.0 GPM @ 30 PSI)
	ROTOR SPRINKLER	45 RADUS	HUNTER	125-04-7.1 (1.0 GPM @ 30 PSI)
	ROTOR SPRINKLER	53 RADUS	HUNTER	125-04-10 (2.0 GPM @ 30 PSI)
	ROTOR SPRINKLER	53 RADUS	HUNTER	125-04-16.5 (2.0 GPM @ 30 PSI)
	ROTOR SPRINKLER	62 RADUS	HUNTER	125-04-16.5 (2.0 GPM @ 30 PSI)
	ROTOR SPRINKLER	62 RADUS	HUNTER	125-04-16.5 (2.0 GPM @ 30 PSI)
	AIR RELIEF VALVE	LINE SIZE		AS SPECIFIED
	ISOLATION VALVE	LINE SIZE		AS SPECIFIED
	MAINLINE DRAIN VALVE	7"		H-044-LBC
	QUICK COUPLING VALVE	AS NOTED		CV-45 SERIES
	ELECTRIC CONTROL VALVE	HUNTER		CV-200-05-CC @ 0.5 PSI/H-16-CT-300
	MASTER VALVE/FLOW SENSOR	2"/3"		RTS-1000
	ET SENSOR	HUNTER		

SYMBOL	DESCRIPTION	SIZE	MANUF.	MODEL NUMBER
	SATELLITE CONTROLLER	30 STATION	HUNTER	ACC-3000-PRO SEE 2-HBT FOR ADDITIONAL REQUIREMENTS
	SATELLITE CONTROLLER	36 STATION	HUNTER	ACC-3600-PRO SEE 2-HBT FOR ADDITIONAL REQUIREMENTS
	SATELLITE CONTROLLER	24 STATION	HUNTER	ACC-2400-PRO SEE 2-HBT FOR ADDITIONAL REQUIREMENTS
	REGULATION RISER PVC	AS SHOWN		CLASS 200
	REGULATION RISER PVC	3"		CLASS 200
	LATERAL LINE - PVC	SEE NOTES		CLASS 200
	BACKFLOW DEVICE	SEE DETAIL		SCHEDULE 40
	REFERENCE TO SHEET SPECIFIC NOTES			

SHEET SPECIFIC NOTES

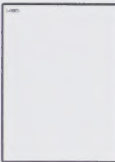


Centennial Park - 95% Submittal
IRRIGATION PLAN

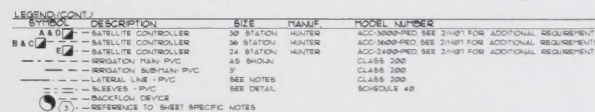
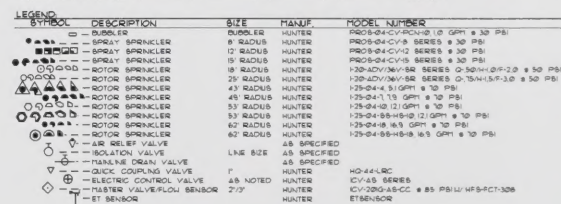
CARL THUESEN
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LANDSCAPE ARCHITECTS LLP
700 GRAND AVE. SUITE 100
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Date: 11/28/09
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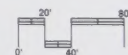
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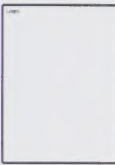


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SHEET SPECIFIC NOTES:

SHEET
I-102

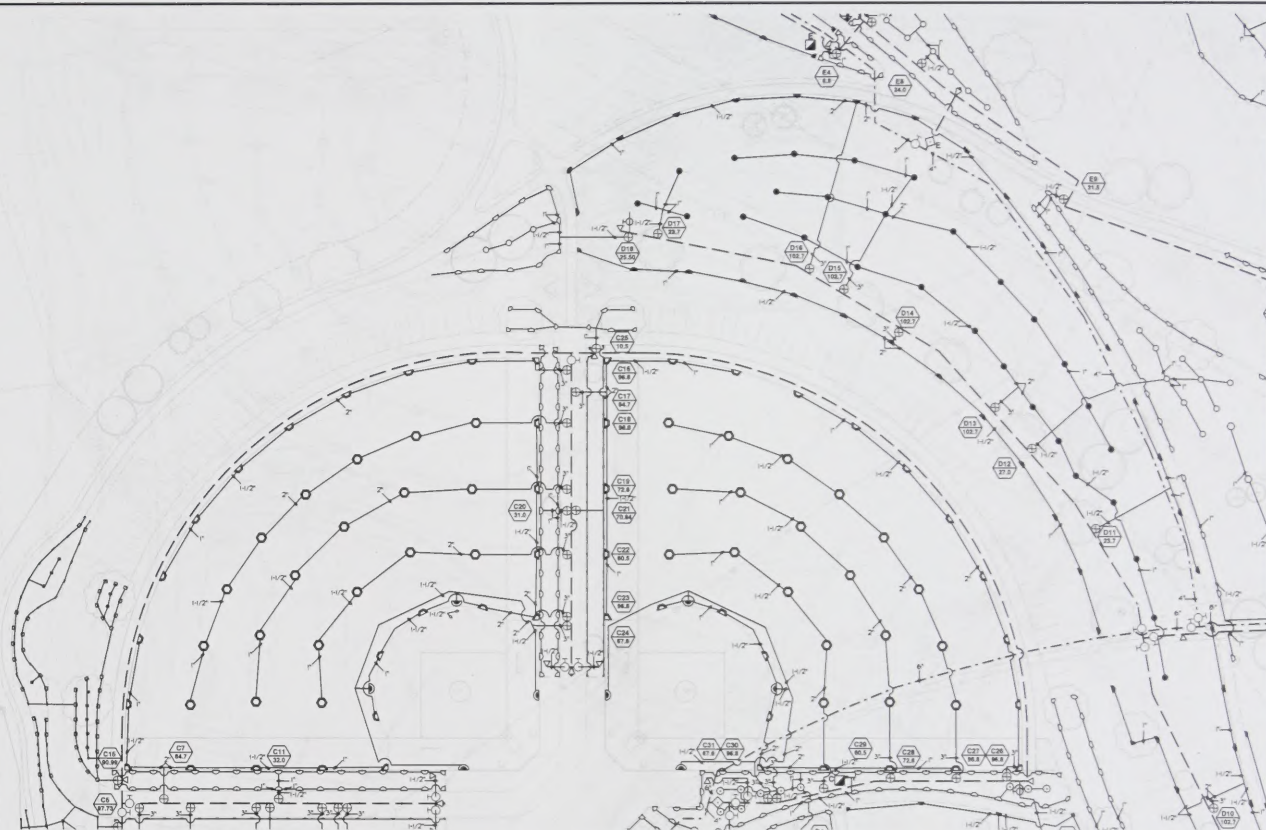


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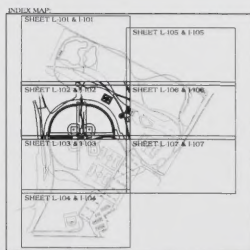
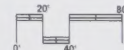
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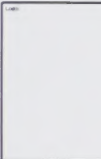
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I-102

LEGEND	SYMBOL	DESCRIPTION	SIZE	FAMILY	MODEL NUMBER
		CYLINDER	NUMBER		
		SPRAY SPRINKLER	8 RADIIUS	HUNTER	PRO-50-4-CV-8 6000 PSI x 30 PSI
		SPRAY SPRINKLER	17 RADIIUS	HUNTER	PRO-50-4-CV-8 6000 PSI x 30 PSI
		SPRAY SPRINKLER	15 RADIIUS	HUNTER	PRO-50-4-CV-8 6000 PSI x 30 PSI
		SPRAY SPRINKLER	25 RADIIUS	HUNTER	PRO-50-4-CV-8 6000 PSI x 30 PSI
		ROTARY SPRINKLER	25 RADIIUS	HUNTER	120-2CV-4-8-8000 PSI x 30 PSI
		ROTARY SPRINKLER	45 RADIIUS	HUNTER	120-2CV-4-8-8000 PSI x 30 PSI
		ROTARY SPRINKLER	55 RADIIUS	HUNTER	120-2CV-4-8-8000 PSI x 30 PSI
		ROTARY SPRINKLER	55 RADIIUS	HUNTER	120-2CV-4-8-8000 PSI x 30 PSI
		ROTARY SPRINKLER	55 RADIIUS	HUNTER	120-2CV-4-8-8000 PSI x 30 PSI
		ROTARY SPRINKLER	55 RADIIUS	HUNTER	120-2CV-4-8-8000 PSI x 30 PSI
		AIR RELIEF VALVE	LINE SIZE	AB SPECIFIED	AB SPECIFIED
		ISOLATION VALVE	LINE SIZE	AB SPECIFIED	AB SPECIFIED
		FLAMELESS DRAIN VALVE	F	HUNTER	HO-4-ALBC
		QUICK COUPLING VALVE	F	HUNTER	CV-4-8 6000 PSI
		ELECTRIC CONTROL VALVE	AB NOTED	HUNTER	CV-4-8 6000 PSI
		FLUSTER VALVE/FLAME SENSOR	2"Ø	HUNTER	ET-8500

LEGEND (CONT.)				
SYMBOL	DESCRIPTION	SIZE	MANUF.	MODEL NUMBER
BA	BATELITE CONTROLLER	30 B/ATON	HUNTER	ACC-2400-PEP 964 2-W/RT FOR ADDITIONAL REQUIREMENTS
BC	BATELITE CONTROLLER	30 B/ATON	HUNTER	ACC-2400-PEP 964 2-W/RT FOR ADDITIONAL REQUIREMENTS
---	BATELITE CONTROLLER	24 B/ATON	HUNTER	ACC-2400-PEP 964 2-W/RT FOR ADDITIONAL REQUIREMENTS
---	REGGATION PLAN P/V	48 B/SHUN		CLASS8 200
---	REGGATION SUB-PAN P/V	7		CLASS8 200
---	LATERAL LINE P/V/C	SEE NOTES		CLASS8 200
---	SUBVEES P/V/C	SEE DETAIL		SCHEMULE 40
---	BACKLASH DEVICE			
---	REFERENCE TO SHEET SPECIFIC NOTES			

SHEET SPECIFIC NOTES:





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IRRIGATION PLAN

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GOLF COURSE ARCHITECTURE

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Drawn by: CSC

Date: 11/20/09Checked by: NCSDate: 11/20/09

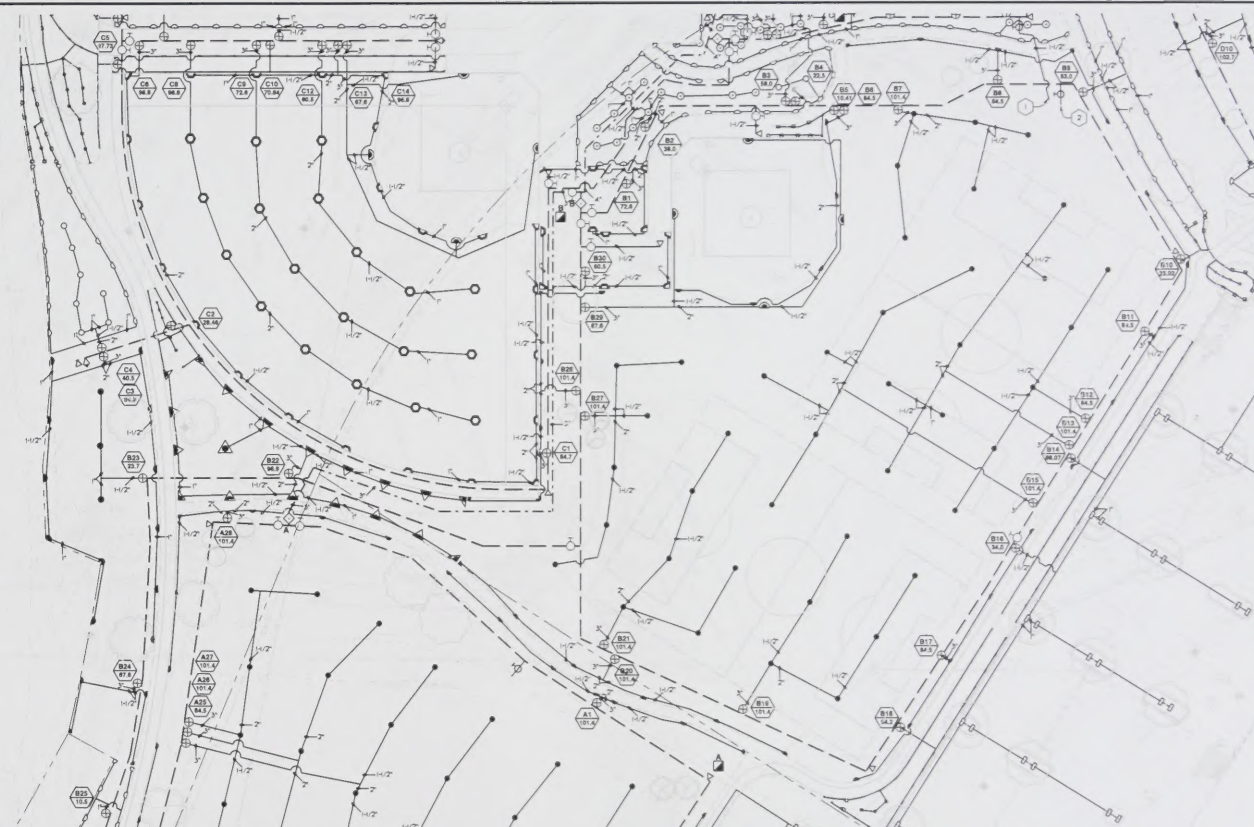
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I-103



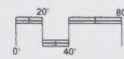
LEGEND	SYMBOL	DESCRIPTION	UNIT	BISE	MANUF.	MODEL NUMBER
	●	—BRAIN	1	DAVID	HUNTER	PRO-24-0-1/2" 2.0 GPM x 30 PSI
	●	—BRAIN	8	DAVID	HUNTER	PRO-24-0-1/4" 3.0 GPM x 30 PSI
	●	—BRAIN	15	DAVID	HUNTER	PRO-24-0-3/8" 3.0 GPM x 30 PSI
	●	—BRAIN	19	DAVID	HUNTER	PRO-24-0-1/2" 3.0 GPM x 30 PSI
	●	—BRAIN	25	DAVID	HUNTER	PRO-24-0-3/4" 3.0 GPM x 30 PSI
	●	—BRAIN	29	DAVID	HUNTER	PRO-24-0-1/2" 3.0 GPM x 30 PSI
	●	—BRAIN	43	DAVID	HUNTER	PRO-24-0-1/2" 3.0 GPM x 30 PSI
	●	—BRAIN	45	DAVID	HUNTER	PRO-24-0-1/2" 3.0 GPM x 30 PSI
	●	—BRAIN	53	DAVID	HUNTER	PRO-24-0-1/2" 2.0 GPM x 30 PSI
	●	—BRAIN	59	DAVID	HUNTER	PRO-24-0-1/2" 2.0 GPM x 30 PSI
	●	—BRAIN	67	DAVID	HUNTER	PRO-24-0-3/4" 3.0 GPM x 30 PSI
	●	—BRAIN	71	DAVID	HUNTER	PRO-24-0-1/2" 3.0 GPM x 30 PSI
	○	—AIR RELIEF VALVE			AS BPC62D	
	○	—ISOLATOR			AS BPC62D	
	○	—PLASTIC ORGAN VALVE			AS BPC62D	
	○	—QUICK COUPLING VALVE			HUNTER	MO-44-RC
	○	—ELECTRIC CONTROL VALVE		AS NOTED	HUNTER	CV-24-AS 3.0 GPM
	○	—PLASTER VALVE/FLUSH SENSIBON	2 1/2"		HUNTER	ET-24-AS 3.0 GPM x 3.0 PSI

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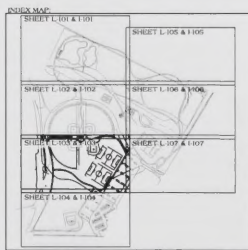
SHEET SPECIFIC NOTES

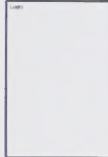
1 DAYLIGHT DRAIN AT DRAINAGE BUILT.

2. GASTROPOD SHELLS AT DRAINAGE CHANNEL F ACROSS



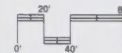
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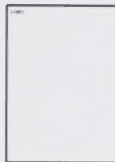




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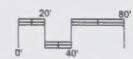
LEGEND (CONT.)		DESCRIPTION	SIZE	MAKER	MODEL NUMBER	
BAC	AA	BATTERY CONTROLLER	30 BATTON	HUNTER	ACC-3000-PPC	SEE 21MPF FOR ADDITIONAL REQUIREMENTS
	AB	BATTERY CONTROLLER	30 BATTON	HUNTER	ACC-3000-PPC	SEE 21MPF FOR ADDITIONAL REQUIREMENTS
	AC	BATTERY CONTROLLER	24 BATTON	HUNTER	ACC-2400-PPC	SEE 21MPF FOR ADDITIONAL REQUIREMENTS
	AD	REGULATION RUM-PMV	24 BATTON		CLASS 200	
	AE	REGULATION RUM-PMV	24 BATTON		CLASS 200	
	AF	BLEEVES - PVC	SEE DETAIL			SCHEDULE 40
	AG	REACTIVATION DEVICE				
	AH	REFERENCE TO SHEET SPECIFIC NOTES				





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SHEET
I-104



LEGEND	DESCRIPTION	SIZE	MARK	MODEL NUMBER
BAC	BATTERY CONTROLLER	30 STATION	WATER	ACC-3000-PWS SEE 2-NOT FOR ADDITIONAL REQUIREMENTS
	BATTERY CONTROLLER	36 STATION	WATER	ACC-3600-PWS SEE 2-NOT FOR ADDITIONAL REQUIREMENTS
	BATTERY CONTROLLER	24 STATION	WATER	ACC-2400-PWS SEE 2-NOT FOR ADDITIONAL REQUIREMENTS
	REGISTRATION	7		CLASS5 20
	REGISTRATION SUB-PUMP PWC	5		CLASS5 20
	LATERAL LINE PWC	SEE NOTES		CLASS5 20
	BLEEVER PWC	SEE DETAIL		SCHEDULE 40
	BACKFLOW DEVICE			
	REFERENCE TO SHEET SPECIFIC NOTES			

SHEET SPECIFIC NOTES

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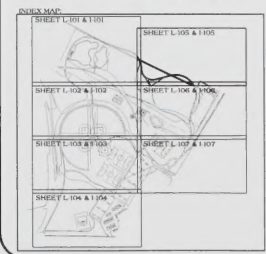
2. SEE SHEET 2



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SHEET
I-105



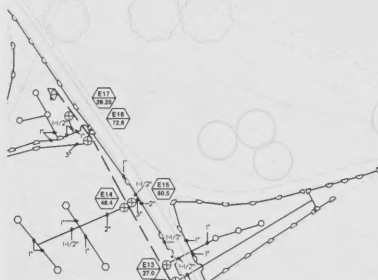
LEGEND (CONT.)		SIZE	MARK	MODEL NUMBER	START YEAR	ADDITIONAL	REQUIREMENTS
BASIC	--- BATTERY CONTROLLER	30 STATION	WINTER	ACC-3000-IMP. SEE	2-1971 FOR	ADDITIONAL	REQUIREMENTS
	--- BATTERY CONTROLLER	36 STATION	WINTER	ACC-3600-IMP. SEE	2-1971 FOR	ADDITIONAL	REQUIREMENTS
	--- BATTERY CONTROLLER	24 STATION	WINTER	ACC-2400-IMP. SEE	2-1971 FOR	ADDITIONAL	REQUIREMENTS
	--- IRRIGATION PUMP PVC	48" BUGHAN	WINTER	CL485 200			
	--- IRRIGATION PUMP PVC	60" BUGHAN	WINTER	CL605 200			
---	LATERAL LINE - PVC	SEE NOTES 2		CL485 200			
---	4" BUBBER - PVC	SEE DETAIL		CL485 200			
---	BACKFLOW DEVICE			SCHEDULE 40			
REFERENCE TO SHEET SPECIFIC NOTES							



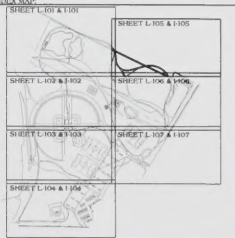
Centennial Park - 95% Submittal
IRRIGATION PLAN

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Rev: _____
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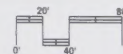
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I-105

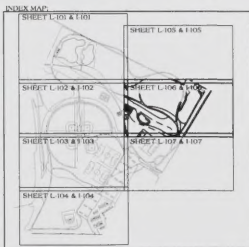
INDEX MAP

[illegible]

SYMBOL	DESCRIPTION	SIZE	MANUF	MODEL NUMBER
BAC	BUS ANTENNA CONTROLLER	30 BATT	HUNTER	ACC-3000P SEE 2-NBT FOR ADDITIONAL REQUIREMENTS
BAC	BUS ANTENNA CONTROLLER	36 BATT	HUNTER	ACC-3600P SEE 2-NBT FOR ADDITIONAL REQUIREMENTS
---	REGULATION MAIN P.V.C.	AS SHOWN		CLASS 200
---	REGULATION SUBMAIN P.V.C.	3		CLASS 200
---	LATERAL LINE P.V.C.	SEE NOTES		CLASS 200
---	BLUEPIPE	SEE DETAIL		CLASS 200
---	PACKED/LOW DENSITY			80-BEDULE 40
①	--- REFERENCE TO SHEET SPECIFIC NOTES			

SHEET SPECIFIC NOTES



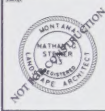
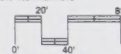


LEGEND	DESCRIPTION	SIZE	MANUF.	MODEL NUMBER
○	— DUBBLER			
●	— SPRAY SPRINKLER	10 RADIUS	HUNTER	PROB-04-CV-RCHD (10 GPM @ 30 PSI)
●	— SPRAY SPRINKLER	17 RADIUS	HUNTER	PROB-04-CV-R SERIES @ 30 PSI
●	— SPRAY SPRINKLER	15 RADIUS	HUNTER	PROB-04-CV-12 SERIES @ 30 PSI
●	— ROTOR SPRINKLER	8 RADIUS	HUNTER	PROB-04-CV-15 SERIES @ 30 PSI
●	— ROTOR SPRINKLER	23 RADIUS	HUNTER	120-ADV/MV-150 SERIES (0-10-H-15-P-3.0 @ 50 PSI)
●	— ROTOR SPRINKLER	43 RADIUS	HUNTER	120-ADV-11 GPM @ 10 PSI
●	— ROTOR SPRINKLER	49 RADIUS	HUNTER	120-04-11 GPM @ 10 PSI
●	— ROTOR SPRINKLER	53 RADIUS	HUNTER	120-04-12 GPM @ 10 PSI
●	— ROTOR SPRINKLER	53 RADIUS	HUNTER	120-04-12 GPM @ 10 PSI
●	— ROTOR SPRINKLER	62 RADIUS	HUNTER	120-04-12.5 GPM @ 10 PSI
●	— ROTOR SPRINKLER	62 RADIUS	HUNTER	120-04-12.5 GPM @ 10 PSI
●	— AIR RELEASE VALVE			
●	— MANLINE DRAIN VALVE			
●	— QUICK COUPLING VALVE			
●	— ELECTRIC CONTROL VALVE			
●	— MASTER VALVE/FLUX SENSOR			
●	— ET SENSOR			

LEGEND (CONT.)	DESCRIPTION	SIZE	MANUF.	MODEL NUMBER
A & D	— BATTERY CONTROLLER	30 STATION	HUNTER	ACC-MODIFIED SEE 21-NOT FOR ADDITIONAL REQUIREMENTS
B & C	— BATTERY CONTROLLER	24 STATION	HUNTER	ACC-MODIFIED SEE 21-NOT FOR ADDITIONAL REQUIREMENTS
E	— IRRIGATION MAN-PIPE	24 STATION	HUNTER	ACC-MODIFIED SEE 21-NOT FOR ADDITIONAL REQUIREMENTS
—	— IRRIGATION MAN-PIPE	24 STATION	HUNTER	ACC-MODIFIED SEE 21-NOT FOR ADDITIONAL REQUIREMENTS
—	— IRRIGATION MAN-PIPE	24 STATION	HUNTER	ACC-MODIFIED SEE 21-NOT FOR ADDITIONAL REQUIREMENTS
—	— IRRIGATION MAN-PIPE	24 STATION	HUNTER	ACC-MODIFIED SEE 21-NOT FOR ADDITIONAL REQUIREMENTS
—	— IRRIGATION MAN-PIPE	24 STATION	HUNTER	ACC-MODIFIED SEE 21-NOT FOR ADDITIONAL REQUIREMENTS
—	— IRRIGATION MAN-PIPE	24 STATION	HUNTER	ACC-MODIFIED SEE 21-NOT FOR ADDITIONAL REQUIREMENTS
—	— IRRIGATION MAN-PIPE	24 STATION	HUNTER	ACC-MODIFIED SEE 21-NOT FOR ADDITIONAL REQUIREMENTS
—	— IRRIGATION MAN-PIPE	24 STATION	HUNTER	ACC-MODIFIED SEE 21-NOT FOR ADDITIONAL REQUIREMENTS

SHEET SPECIFIC NOTES:

1. LOCATE AND PROTECT ROND LNER DURING INSTALLATION OF IRRIGATION SYSTEM
2. DAYLIGHT DRAIN:
3. DAYLIGHT DRAIN AT ROND SLOPE DRAIN LINE AT 0.5% SLOPE REFER TO LNER PENETRATION DETAIL FOR ADDITIONAL REQUIREMENTS FOR PENETRATION INTO ROND LNER CONCERNED INCIDENTAL TO IRRIGATION INSTALLATION.
4. INSTALL UP ROND VALVE BOX @ ROND OF MANLINE.



Centennial Park - 95% Submittal IRRIGATION PLAN

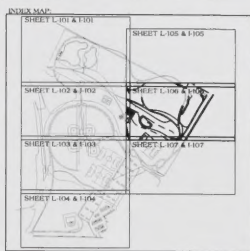
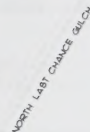
CARL THUESEN
A S L A

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
100 GRAND AVE. SUITE 100
BILLINGS, MT 59104
(406) 253-1111 FAX (406) 253-1112

Drawn by: **CSC**
Date: **11/28/09**
Checked by: **NC5**
Date: **11/28/09**
Rev: **-**
File: **02-106-1-95-95-01**



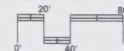
SHEET
I-106

[illegible]

LEGEND (CONT)				
SYMBOL	DESCRIPTION	SIZE	MANUF	MODEL NUMBER
A B D	BATELITE CONTROLLER	30 STATION	HUNTER	ACC-300000 SEE SHIRT FOR ADDITIONAL REQUIREMENT
B A D	BATELITE COOLER	30 STATION	HUNTER	ACC-300000 SEE SHIRT FOR ADDITIONAL REQUIREMENT
B A D	BATELITE CONTROLLER	24 STATION	HUNTER	ACC-300000 SEE SHIRT FOR ADDITIONAL REQUIREMENT
I - -	REGGATION MAN-PCV	45 MOUN		CLASS 200
I - -	REGGATION SUB-MAN PCV	2		CLASS 200
I - -	LATERAL LINE - PVC	SEE NOTES		CLASS 200
I - -	BUEVES - PVC	SEE DETAIL		SCHEDULE 40
I - -	BACKLOGG DEVICE			
I - -	REFERENCE TO SHEET SPECIFIC NOTES			

SHEET SPECIFIC NOTES:

1. LOCATE AND PROTECT POND LINER DURING INSTALLATION OF IRRIGATION SYSTEM
2. DAYLIGHT DRAIN
3. DAYLIGHT DRAINS AT POND SLOPE DRAIN LINE AT 0.5% SLOPE. REFER TO LINER PENETRATION DETAIL FOR ADDITIONAL REQUIREMENTS FOR PENETRATION INTO POND. WORK CONSIDERED INCIDENTAL TO IRRIGATION INSTALLATION
4. INSTALL 10" ROUND VALVE BOX @ END OF MAINLINE



Centennial Park - 95% Submittal
IRRIGATION PLAN

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GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1925 GRAND AVE. SUITE 105
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BILLINGS, MT 59104
406/252-3545 FAX 245-9855

Drawn by: GSC

Date: 11/20/09

Checked by: NGS

Date: 11/20/09

Rev: _____

Rev: _____

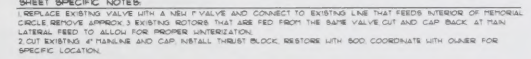
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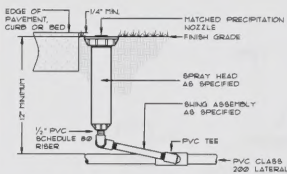
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I-106



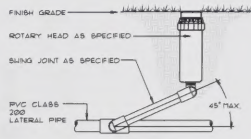
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I-107





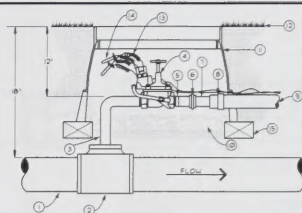
1 TURF SPRAY HEAD

NOT TO SCALE



2 TYPICAL ROTOR HEAD

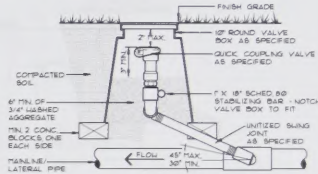
NOT TO SCALE



3 TYPICAL ELECTRIC VALVE

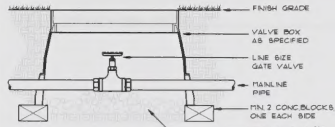
- LEGEND**
1. MAINLINE
 2. HARCO D/S SERVICE TEE
 3. 1/2\"/>

NOTES:
1. ADJUST SIZE OF LATERAL SD AND PVC FITTINGS TO MATCH ELECTRIC VALVE SIZE CALLED FOR ON PLANS



4 TYPICAL QUICK COUPLER

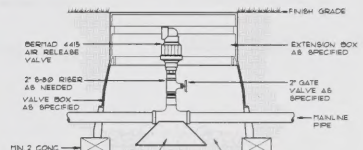
NOT TO SCALE



NOTES:
1. VALVE TO BE SUPPORTED BY GRAVEL PROVIDE BLOCK SHOWN AS REQUIRED
2. THIS DETAIL FOR VALVES 2\"/>

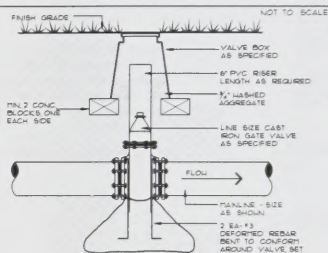
5 MANUAL ISOLATION VALVE

NOT TO SCALE



6 AIR RELIEF VALVE

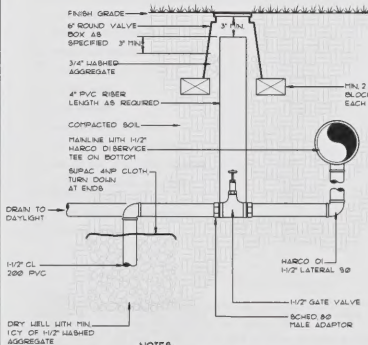
NOT TO SCALE



7 MAINLINE ISOLATION VALVE

NOT TO SCALE

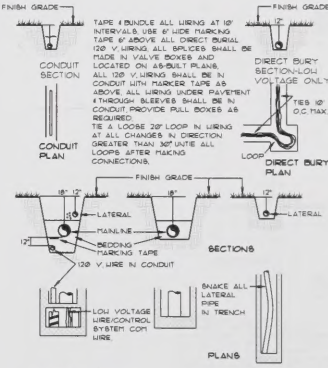
NOTES:
1. FOR THURST BLOCK SIZE SEE THURST BLOCK DETAIL AND SIZE THURST BLOCK BASED ON TEES OF SAME SIZE AS ISOLATION VALVE
2. THIS DETAIL FOR VALVES 2\"/>



NOTES:
1. DRAIN TO DAYLIGHT WHEREVER POSSIBLE
2. AT ALL DAYLIGHT INSTALLATIONS INCREASE PIPE SIZE 2\"/>

8 TYP. MAINLINE DRAIN

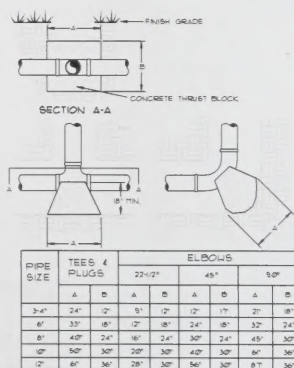
NOT TO SCALE



NOTES:
1. 1/2\"/>

9 TRENCHING DETAILS

NOT TO SCALE



NOTES:
1. ALL PIPES TO BE CENTERED ON THURST BLOCKS
2. CONNECTION SHALL BE RESPONSIBLE FOR CONSTRUCTING ADEQUATE THURST BLOCKS IN ALL PIPING INSTALLATION
3. THURST BLOCKS NOT REQUIRED ON 2\"/>

10 TYPICAL THRUST BLOCKS

NOT TO SCALE

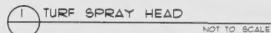
PIPE SIZE	TEES & PLUGS				ELBOWS			
	A	B	C	D	22 1/2"	45"	90"	
3/4"	24"	2"	5"	12"	12"	17"	21"	8"
6"	33"	18"	12"	18"	24"	18"	32"	24"
8"	40"	24"	16"	24"	30"	24"	45"	30"
10"	50"	30"	20"	30"	40"	30"	60"	36"
12"	60"	36"	24"	36"	50"	36"	81"	36"



Centennial Park - 95% Submittal
IRRIGATION DETAILS

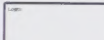
CARL THUESSEN
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Drawn by: GSC
Date: 11/28/09
Checked by: NGS
Date: 11/28/09
Rev: -
File: 09-2011-000-00-00-00-00



- NOTES

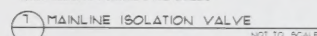
1. ADJUST SIZE OF LATERAL 90 AND PVC FITTINGS TO MATCH ELECTRIC VALVE SIZE CALLED FOR ON DRAWING



1. ROTATE TEE ON MAINLINE AS NECESSARY TO ENSURE CLEARANCE IS PROVIDED BETWEEN LIO AND TOP OF AIR RELEASE VALVE.



1. FOR THRUST BLOCK SIZES, SEE THRUST BLOCK DETAIL AND SIZE THRUST BLOCK BASED ON TEES OF SAME SIZE AS ISOLATION VALVE
2. THIS DETAIL FOR VALVES 3" AND LARGER



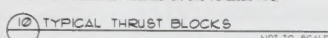
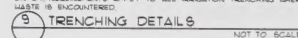
NOTE:
1. DRAIN TO DAYLIGHT WHEREVER POSSIBLE
2. AT ALL DAYLIGHT INSTALLATIONS INCREASE PIPE SIZE
TO 3" JUST PRIOR TO DISCHARGE AND INSTALL 3" BLACK
MITERED DRAIN ASSEMBLY AS MANUFACTURED BY MITERED
DRAIN. ADJUST GRADES ADJACENT TO DISCHARGE TO
BLEND WITH MITERED DRAIN.



1. 120 V. WIRE TO BE INSTALLED ON THE SIDE OF THE MAINLINE AS SHOWN ON THE PLANS.
2. LOW VOLTAGE WIRE TO BE BUNDLED AND INSTALLED OPPOSITE THE 120 V. WIRE AT LATERAL PIPE DEPTH.
3. REFER TO "TYPICAL UTILITY TRENCH DETAIL (ENCOUNTERED WASTE ON C-11 REQUIREMENTS)" APPLY TO ALL IRRIGATION TRENCHING LINE.



1. ALL PIPES TO BE CENTERED ON THRUST BLOCKS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING ADEQUATE THRUST BLOCKS IN ALL PIPING INSTALLATION.
3. THRUST BLOCKS NOT REQUIRED ON 2 1/2" & SMALLER PIPE.

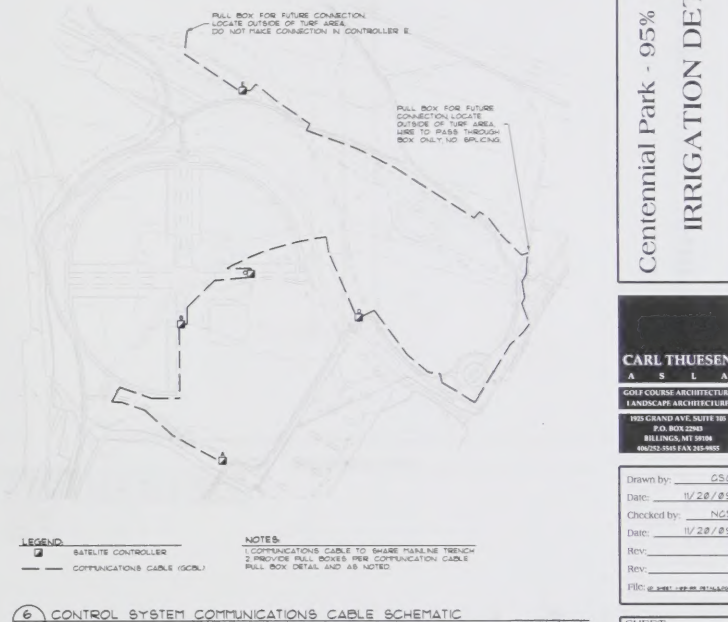
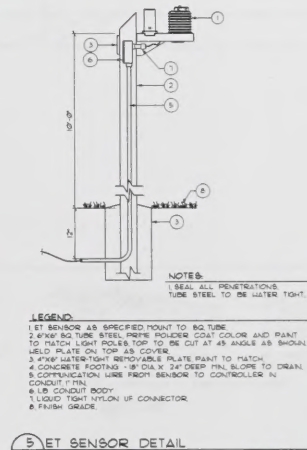
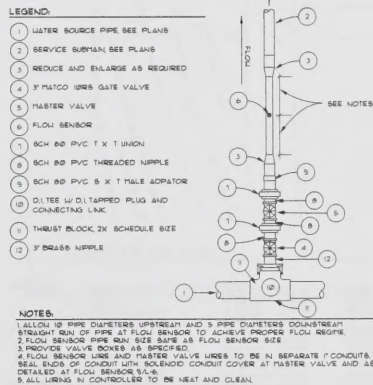
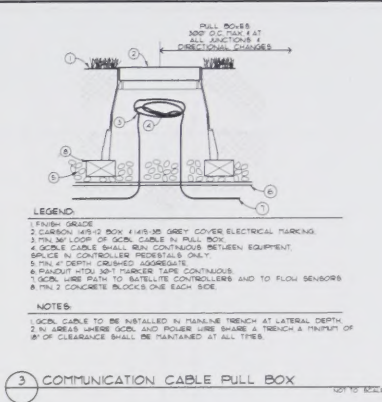
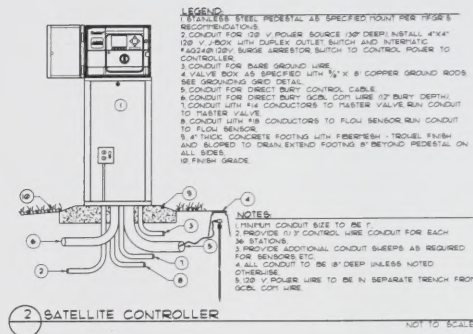
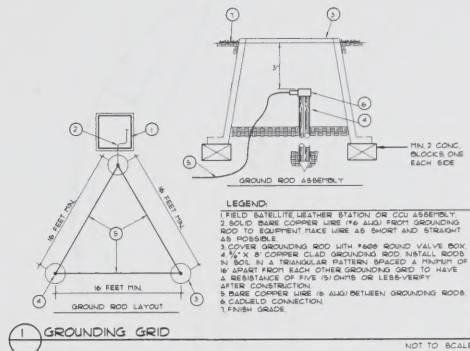


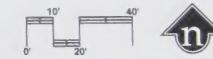
4 TYPICAL FLOW SENSOR

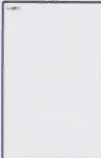
5 ET SENSOR DETAIL NOT TO SCALE

EM COMMUNICATIONS CABLE SCHEMATIC









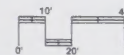
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LANDSCAPE ARCHITECTURE
1925 GRAND AVE., SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
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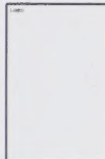
SHEET
I-200

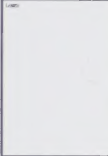
② ZONE C21

LEGEND (CONT.)				
SYMBOL	DESCRIPTION	SIZE	HANDS	MODEL NUMBER
BAC	BATTERY CONTROLLER	30 BATT	HUNTER	ACC-3000-IMP SEE 7/HINT FOR ADDITIONAL REQUIREMENTS
---	BATTERY CONTROLLER	36 BATT	HUNTER	ACC-3600-IMP SEE 7/HINT FOR ADDITIONAL REQUIREMENTS
---	ROBINATION PUMP-PVC	45 BSHOLD		CLASS 200 SEE 7/HINT FOR ADDITIONAL REQUIREMENTS
---	ROBINATION PUMP-PVC	45 BSHOLD		CLASS 200
---	LATERAL LINE-PVC	SEE NOTES		CLASS 700
---	SLURVEY-PVC	SEE DETAIL		SCHEDULE 40
---	BACKFLOW VALVE			
---	REFERENCE TO SHEET SPECIFIC NOTES			

SHEET SPECIFIC NOTES







CARL THUESEN

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

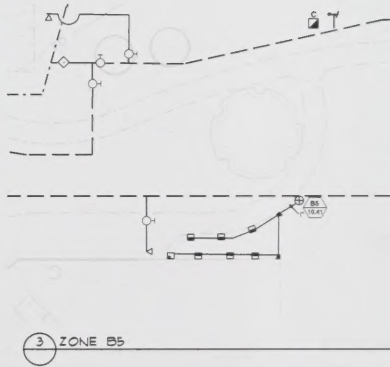
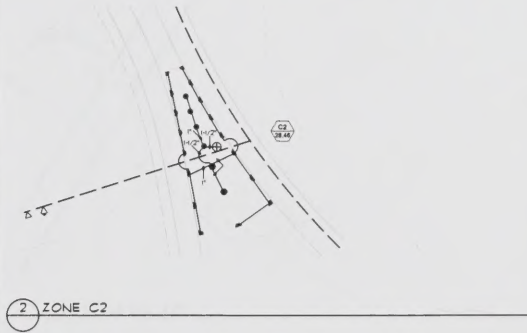
Drawn by: GSC

Date: 11/20/09

Rev: _____

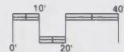
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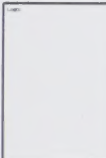
I-201

[illegible]

LEGEND (CONT.)		SIZE	MATERIAL	MODEL NUMBER	REQUIREMENTS
B & C	1 - BATTERY CONTROLLER	30 BATTERY	HUNTER	ACC-3000-PNC	SEE 2-NOT FOR ADDITIONAL REQUIREMENTS
	1 - BATTERY CONTROLLER	36 BATTERY	HUNTER	ACC-3600-PNC	SEE 2-NOT FOR ADDITIONAL REQUIREMENTS
	1 - IRRIGATION MAIN PVC	48 INCH		CLASS 200	
	1 - IRRIGATION BURMAN PVC	7		CLASS 200	
	1 - LATERAL LINE PVC		SEE NOTES	CLASS 200	
1 -	1 - ALUMINUM PVC		SEE DETAIL	SCHEDULE 40	
1 -	1 - BACKFLOW DEVICE				
1 -	1 - REFERENCE TO SHEET SPECIFIC NOTES				

SHEET SPECIFIC NOTES:

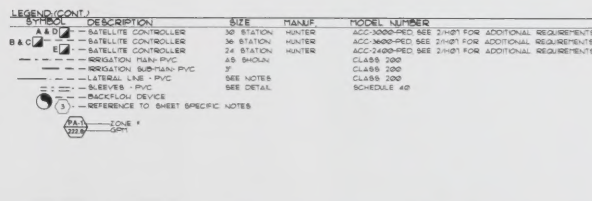




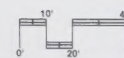
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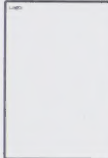
1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5515 FAX 245-9835

SHEET
I-202



SWEET SPECIFIC NOTES



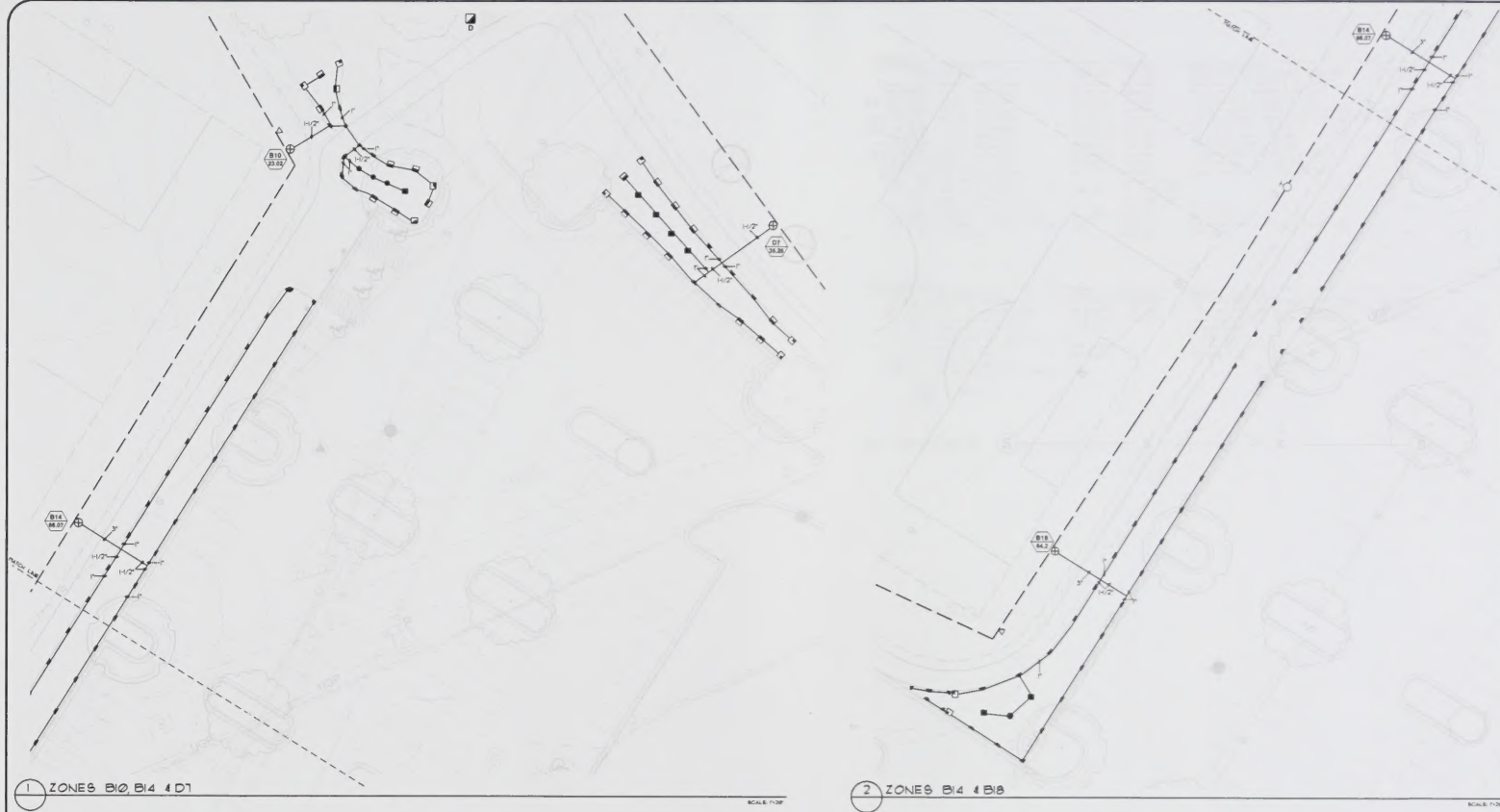
Centennial Park - 95% Submittal
IRRIGATION SPRAY PLAN

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

1925 GRAND AVE. SUITE 105
P.O. BOX 22943
BILLINGS, MT 59104
406/252-5545 FAX 245-9855

60. SECRET - 202-SPRAY-WELD

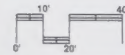
SHEET
I-202

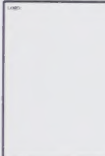
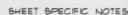


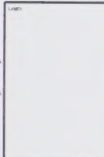
LEGEND	SYMBOL	DESCRIPTION	SIZE	MATERIAL	POCKET NUMBER
	●	BRINLEY SPRINKLER	8 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	BRINLEY SPRINKLER	7 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	BRINLEY SPRINKLER	9 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	BRINLEY SPRINKLER	19 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	BRINLEY SPRINKLER	29 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	BRINLEY SPRINKLER	49 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	BRINLEY SPRINKLER	45 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	BRINLEY SPRINKLER	53 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	BRINLEY SPRINKLER	61 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	BRINLEY SPRINKLER	62 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	BRINLEY SPRINKLER	70 RADUS	HUNTER	PRO-20-40-1/2 GPM @ 30 PSI
	○	AIR RELIEF VALVE		AB SPEC'ED	12-20-40-1/2 GPM @ 30 PSI
	○	IRRIGATION VALVE		AB SPEC'ED	12-20-40-1/2 GPM @ 30 PSI
	○	MANHOLE OVERFLOW		AB SPEC'ED	12-20-40-1/2 GPM @ 30 PSI
	○	WASTE COUPLING VALVE		AB SPEC'ED	12-20-40-1/2 GPM @ 30 PSI
	○	ELECTRIC CONTROL		AB NOTED	12-20-40-1/2 GPM @ 30 PSI
	○	PLASTER VALVE/FLUSH SENSOR	2" /	HUNTER	12-20-40-1/2 GPM @ 30 PSI
	○	SENSOR		ETASPEC	12-20-40-1/2 GPM @ 30 PSI

LEGEND (CONT.)				
SYMBOL	DESCRIPTION	SIZE	HANDED	PLANE NUMBER
—	— LOCAL CONTROLLER	36 STATION	HANDER	ACC-NO-ADD-REQ. SEE 2/10/1 FOR ADDITIONAL REQUIREMENTS
—	— SATELLITE CONTROLLER	36 STATION	HANDER	ACC-NO-ADD-REQ. SEE 2/10/1 FOR ADDITIONAL REQUIREMENTS
—	— SATELLITE CONTROLLER	74 STATION	HANDER	ACC-NO-ADD-REQ. SEE 2/10/1 FOR ADDITIONAL REQUIREMENTS
—	— REGISTRATION TIAN-PVC	45 BUSHIN		CLASS 200
—	— REGISTRATION SUB-TIAN-PVC	7		CLASS 200
—	— LATERAL LINE-PVC	SEE NOTES		CLASS 200
—	— SURVEYS - PVC	SEE DETAIL		SCHEDULE 40
—	— BACKLOGGED DEVICE			
(S)	—REFERENCE TO SHEET SPECIFIC NOTES			
PA	— PAIR			
PA	— PAIR			

SHEET SPECIFIC NOTES



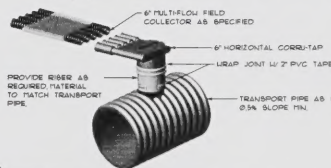
SHEET
I-203



Centennial Park - 95% Submittal

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Date: 11/20/09
Rev: _____
Rev: _____
File: 00_South_Arizona_Survey

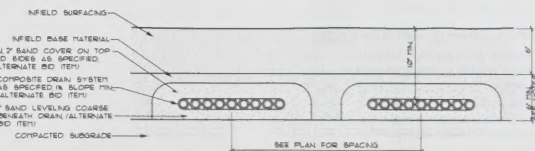
SHEET
S-100



NOTES:

1. DRAINAGE SYSTEM TO BE INSTALLED AS SPECIFIED AND ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
2. USE 2" PVC TAPE TO SECURE GEOTEXTILE TO ALL CONNECTIONS.
3. USE 2" PVC TAPE TO SEAL ALL CONNECTIONS AT CORRUTAP AND TRANSPORT PIPE.

1 INFIELD COLLECTOR TO TRANSPORT DETAIL (ALT. BID ITEM)



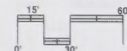
2 INFIELD DRAINAGE SYSTEM AND SKINNED INFIELD SECTION

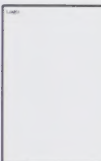
LEGEND

-  SCANNED INFO AS SPECIFIED
 WARNING TRACK AS SPECIFIED - B*FIELD SURFACING OVER COMPACTED SUB-GRADE
 COMPOSITE DRAIN SYSTEM AS SPECIFIED (ALTERNATE B0 ITEM)
 B*TRANSPOSE PIPE AS SPECIFIED (ALTERNATE B0 ITEM)
 CLEAN OUT PIP* SUPPORTS TIE W/ RIVER AND A/C CLEAN OUT FLUSH UNPAVED END OF
 1C PAVEMENT AND FIRST CONC. STEEL PLATE OVER CLEAN OUT PRIOR
 TO BACKFILLING TOP OF CLEAN OUT TO BE 6" BELOW FINISH GRADE RECORD LOCATE
 2C TOP OF COMPOSITE DRAIN (ALTERNATE B0 ITEM)
 6 INVERT ELEVATION TRANSPOSE PIPE (ALTERNATE B0 ITEM)

NOTES

1. ADJUST INFILL BASE MATERIAL AS REQUIRED TO ACCOMMODATE COMPOSITE DRAIN SYSTEM GRADE
2. COORDINATE GRADES WITH SITE GRADING PLAN.
3. INSTALL ADDITIONAL INFILL MIX AND WARNING TRACK MIX AS REQUIRED FOLLOWING REMOVAL OF FLEXIBLE EDGING.





CARL THUESEN
A S L A
GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

Drawn by: GSC

Date: IV/20/09

Checked by: NCS
Date: 11/20/09

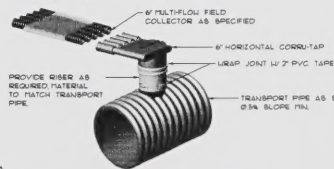
Rev: _____

Rev: _____

File: CD SHEET S-WP-SOFT.DGN

SHEET

S-100



1. DRAINAGE SYSTEM TO BE INSTALLED AS SPECIFIED AND ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
2. USE 2" PVC TAPE TO SECURE GEOTEXTILE TO ALL CONNECTIONS.
3. USE 2" PVC TAPE TO SEAL ALL CONNECTIONS AT CORRU-TAP AND TRANSPORT PIPE.

(2) INFIELD DRAINAGE SYSTEM AND SKINNED INFELD SECTION

NOT TO SCALE

NOT TO SCALE

☐ SKINNED IN FIELD AS SPECIFIED

WARNING TRACK AS SPECIFIED - 6" INFIELD SURFACING OVER COMPACTED SUB-GRAD

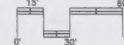
COMPOSITE DRAIN SYSTEM AS SPECIFIED (ALTERNATE BO ITEM)

◆ CLEAN OUT 8"x4" SLEEPING TEE W/ RIGER AND 4" CLEAN OUT PLUG UNBID END OF TEE AT END OF PIPE RUN SET 4"x4"x1/2" THICK STEEL PLATE OVER CLEAN OUT PRIOR TO BACKFILLING TOP OF CLEAN OUT TO BE 10" BELOW FINISH GRADE, RECORD LOCATION

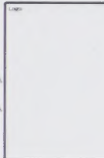
TOP OF CORPORATE DEAN (ALTERNATE NO. 020)

INVERT ELEVATION (TRANSPORT PIPE ALTERNATE NO. ITEM)

1. ADJUST INFIELD BASE MATERIAL AS REQUIRED TO ACCOMMODATE COMPOSITE DRAIN SYSTEM GRADE
2. COORDINATE GRADES WITH SITE GRADING PLAN.
3. INSTALL ADDITIONAL INFIELD MIX AND WARNING TRACK MIX AS REQUIRED FOLLOWING REMOVAL OF FLEXIBLE EDGING.



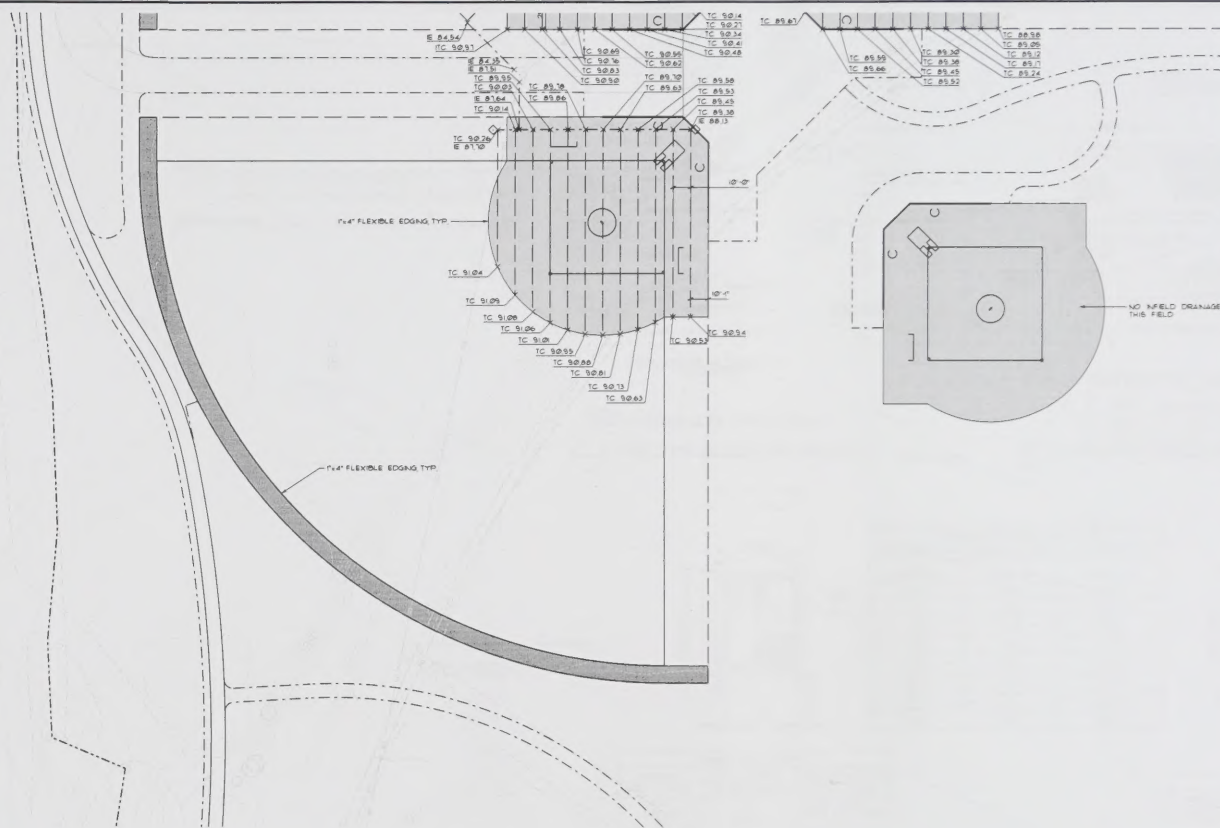
SHEET
S-100



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Rev: _____
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SHEET
S-101



SKINNED IN FIELD AS SPECIFIED

WARNING TRACK AS SPECIFIED - 6" IN FIELD SURFACING OVER COMPACTED SUB-GRADE

— — — COMPOSITE DRAIN SYSTEM AS SPECIFIED (ALTERNATE NO. ITEM)

* --- x --- 8" TRANSPORT PIPE AS SPECIFIED (ALTERNATE BID ITEM)

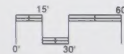
4. CLEAN OUT, 8"x4" SLEEPING TEE W/ RISER, AND 4" CLEAN OUT, PLUG UNUSED END OF TEE AT END OF PIPE RUN, SET 4"x4"x1/2" THICK STEEL PLATE OVER CLEAN OUT PRIOR TO BACKFILLING TOP OF CLEAN OUT TO BE 1" BELOW FINISH GRADE, RECORD LOCATION ON RECORD DRAWINGS. (ALTERNATE BID ITEM)

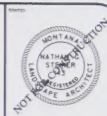
TC TOP OF COMPOSITE DRAIN (ALTERNATE BID ITEM)

E INVERT ELEVATION (TRANSPORT PIPE ALTERNATE BID ITEM)

NOTES:

1. ADJUST INFIELD BASE MATERIAL AS REQUIRED TO ACCOMMODATE COMPOSITE DRAIN SYSTEM GRADE
2. COORDINATE GRADES WITH SITE GRADING PLAN.
3. INSTALL ADDITIONAL INFIELD MIX AND WARNING TRACK MIX AS REQUIRED FOLLOWING REMOVAL OF FLEXIBLE EDGING.





Centennial Park - 95% Submittal
SOFTBALL FIELD
CONSTRUCTION PLAN

CARL THUESEN
A S L A

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE

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Drawn by: GSC

Date: 11/20/09

Checked by: NGS

Date: 11/20/09

Rev: _____

Rev: _____

File: _____

SHEET
S-101

LEGEND:

SKINNED INFIELD AS SPECIFIED

WARNING TRACK AS SPECIFIED - IF INFIELD SURFACING OVER COMPACTED SUB-GRADE

COMPOSITE DRAIN SYSTEM AS SPECIFIED (ALTERNATE BID ITEM)

8" TRANSPORT PIPE AS SPECIFIED (ALTERNATE BID ITEM)

CLEAN OUT 4" x 4" SLEEPING TEE 1/2" RIBBER AND 4" CLEAN OUT PLUS VALUED END OF TEE AT END OF PIPE SHALL BE 4" x 4" x 1/2" THICK STEEL PLATE OVER CLEAN OUT PRIOR TO BACKFILLING TOP OF CLEAN OUT TO BE 1" BELOW FINISH GRADE RECORD LOCATION ON SECOND DRAINAGE (ALTERNATE BID ITEM)

TOP OF COMPOSITE DRAIN (ALTERNATE BID ITEM)

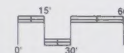
INVERT ELEVATION (TRANSPORT PIPE ALTERNATE BID ITEM)

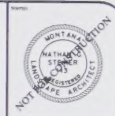
NOTES:

1. SOFT INFIELD BASE MATERIAL AS REQUIRED TO ACCOMMODATE COMPOSITE DRAIN SYSTEM GRADE

2. COORDINATE GRADES WITH SITE GRADING PLAN

3. INSTALL ADDITIONAL INFIELD FIX AND WARNING TRACK FIX AS REQUIRED FOLLOWING REMOVAL OF FLEXIBLE EDGING

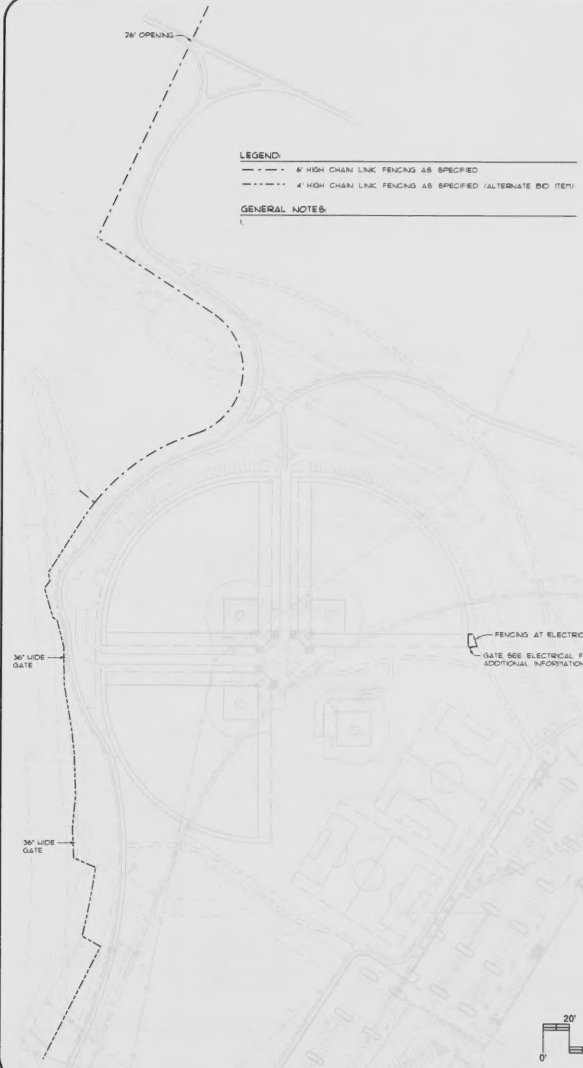




Centennial Park - 95% Submittal FENCE PLAN & DETAILS

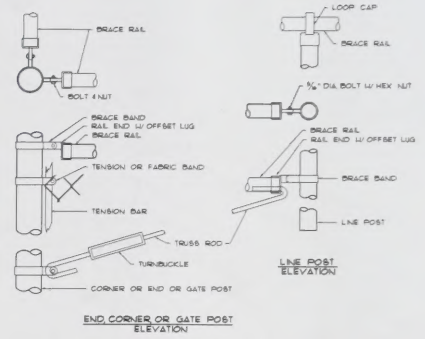
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Drawn by: CSG
Date: 11/20/09
Checked by: NGS
Date: 11/20/09
Rev: _____
File: _____



LEGEND:
- - - 6" HIGH CHAIN LINK FENCING AS SPECIFIED
- - - 4" HIGH CHAIN LINK FENCING AS SPECIFIED (ALTERNATE ID ITEM)

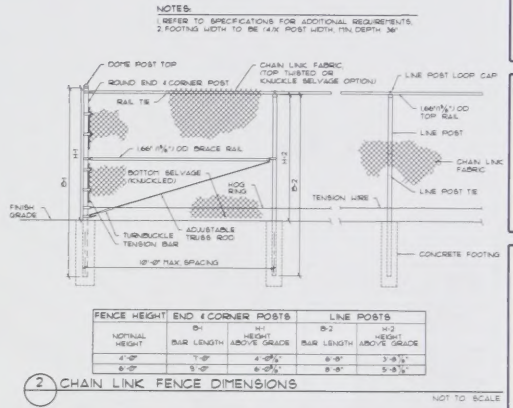
GENERAL NOTES:
1.



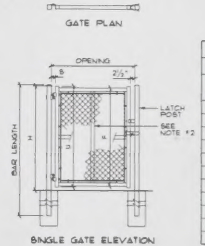
NOTES:
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

1 CHAIN LINK FENCE POST DETAILS

NOT TO SCALE

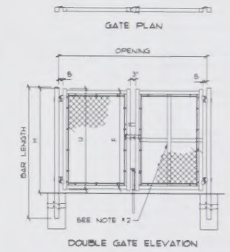


FENCE HEIGHT		END 4 CORNER POSTS		LINE POSTS	
NORMAL HEIGHT	MAX LENGTH ABOVE GRADE	POST HEIGHT	MAX LENGTH ABOVE GRADE	POST HEIGHT	MAX LENGTH ABOVE GRADE
4'-0"	7'-0"	4'-0"	6'-0"	4'-0"	5'-0"
6'-0"	9'-0"	6'-0"	8'-0"	6'-0"	7'-0"

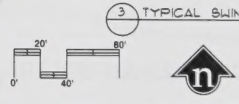


SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	80 4" END SIZES	POST TO UPRIGHT
3'-0" THROUGH 6'-0"	2 1/2" SQ OR 2.875" OD	FOR SQUARE 4 ROUND GATE POSTS: 2 1/2"
7'-0" THROUGH 10'-0"	3" SQ OR 4" OD	FOR SQUARE 4 ROUND GATE POSTS: 2 1/2"
11'-0" THROUGH 12'-0"	4" SQ OR 4" OD	FOR SQUARE 4 ROUND GATE POSTS: 2 1/2"
13'-0" THROUGH 18'-0"	6" SQ OR 6.625" OD	FOR GATE POSTS: 80 2 1/2" END 3 1/2"
19'-0" THROUGH 20'-0"	8" SQ OR 8.625" OD	FOR GATE POSTS: 80 2 1/2" END 3 1/2"

NOTES:
1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. CENTER UPRIGHT REQUIRED ON GATE LEAVES 8'-0" LARGER. CENTER RAIL REQUIRED ON GATE LEAVES 10'-0" LONGER.



DOUBLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (S)
FACE TO FACE	80 4" END SIZES	POST TO UPRIGHT
8'-0" THROUGH 12'-0"	2 1/2" SQ OR 2.875" OD	FOR SQUARE 4 ROUND GATE POSTS: 2 1/2"
14'-0" THROUGH 20'-0"	3" SQ OR 4" OD	FOR SQUARE 4 ROUND GATE POSTS: 2 1/2"
24'-0" THROUGH 36'-0"	6" SQ OR 6.625" OD	FOR GATE POSTS: 80 2 1/2" END 3 1/2"
38'-0" THROUGH 40'-0"	8" SQ OR 8.625" OD	FOR GATE POSTS: 80 2 1/2" END 3 1/2"



3 TYPICAL SWING GATES

NOT TO SCALE

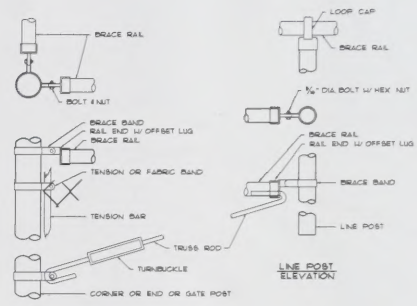


Centennial Park - 95% Submittal FENCE PLAN & DETAILS

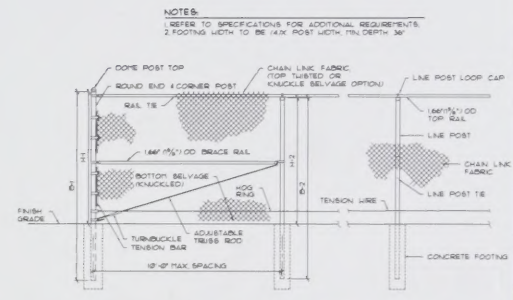
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Drawn by: GSG
Date: 11/28/09
Checked by: NGS
Date: 11/28/09
Rev: _____
Rev: _____
File: _____

- LEGEND:**
 --- 6" HIGH CHAIN LINK FENCING AS SPECIFIED
 - - - - - 4" HIGH CHAIN LINK FENCING AS SPECIFIED (ALTERNATE BID ITEM)
GENERAL NOTES:
 1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

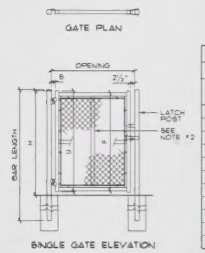


1 CHAIN LINK FENCE POST DETAILS
NOT TO SCALE

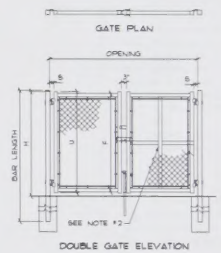


FENCE HEIGHT END & CORNER POSTS			LINE POSTS	
NORMAL HEIGHT	8" H/ BAR LENGTH ABOVE GRADE	14" H/ BAR LENGTH ABOVE GRADE	8" H/ BAR LENGTH ABOVE GRADE	14" H/ BAR LENGTH ABOVE GRADE
2'-0"	1'-0"	4'-0"	6'-0"	3'-0"
2'-6"	1'-6"	4'-6"	6'-6"	3'-6"

2 CHAIN LINK FENCE DIMENSIONS
NOT TO SCALE



SINGLE OR DOUBLE LEAF GATES		
NOM HEIGHT (H)	UPRIGHT HT (U)	FRAME HT (F)
WITHOUT BARRING LANE	ACTUAL DIM	ACTUAL DIM
3'-0"	3'-0"	3'-0 1/2"
3'-6"	3'-4"	3'-2 1/2"
4'-0"	3'-8"	3'-8 1/2"
5'-0"	4'-8"	4'-8 1/2"
6'-0"	5'-8"	5'-8 1/2"
7'-0"	6'-8"	6'-8 1/2"
8'-0"	7'-8"	7'-8 1/2"
9'-0"	8'-8"	8'-8 1/2"
10'-0"	9'-8"	9'-8 1/2"
11'-0"	10'-8"	10'-8 1/2"
12'-0"	11'-8"	11'-8 1/2"

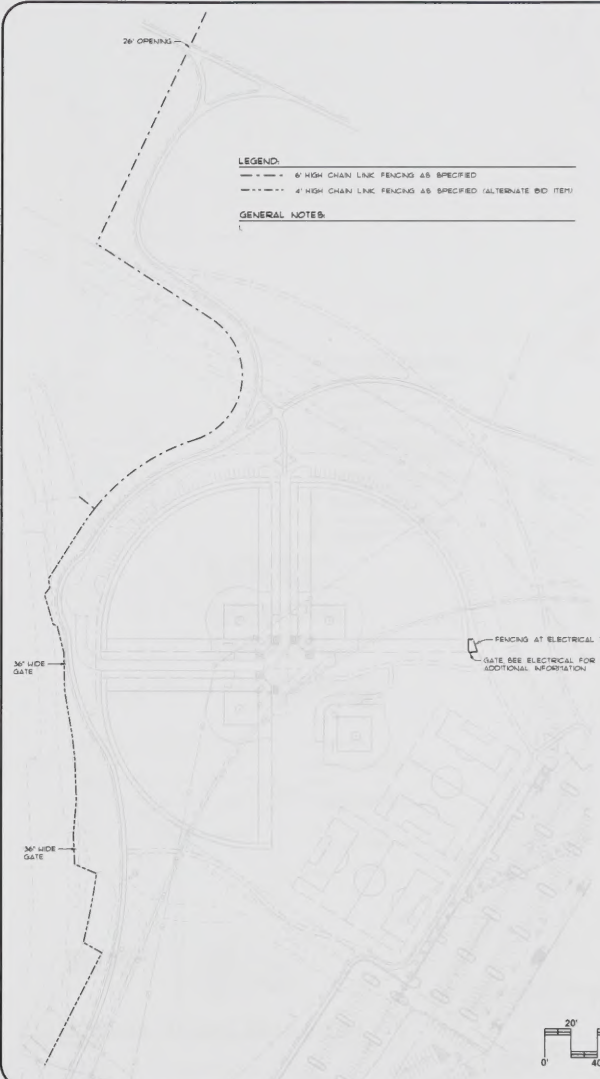
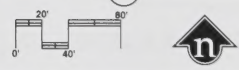


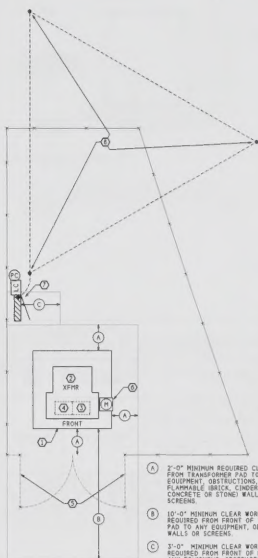
SINGLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (B)
FACE TO FACE	8" END SIZES	POST TO UPRIGHT
3'-0" THROUGH	2 1/2"	FOR SQUARE & ROUND GATE POSTS
6'-0" THROUGH	2 1/2" OR 2 3/8" OD	2 1/2"
7'-0" THROUGH	3" SQ	FOR SQUARE & ROUND GATE POSTS
10'-0" THROUGH	4" OD	2 1/2"
11'-0" THROUGH	4" SQ	FOR SQUARE & ROUND GATE POSTS
12'-0" THROUGH	4" OD	2 1/2"
13'-0" THROUGH	6" SQ	FOR SQUARE & ROUND GATE POSTS
16'-0" THROUGH	8" SQ	80-2 1/2" END-3 1/2"
18'-0" THROUGH	8" SQ	80-2 1/2" END-3 1/2"
20'-0" THROUGH	8" SQ	80-2 1/2" END-3 1/2"

NOTES:
 1. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. CENTER UPRIGHT REQUIRED ON GATE LEAVES 8'-0" & HIGHER.
 CENTER RAIL REQUIRED ON GATE LEAVES 12'-0" & HIGHER.

DOUBLE LEAF GATES		
OPENING	GATE POSTS	HINGE SPACE (B)
FACE TO FACE	8" END SIZES	POST TO UPRIGHT
8'-0" THROUGH	2 1/2" SQ	FOR SQUARE & ROUND GATE POSTS
12'-0" THROUGH	2 3/8" OD	2 1/2"
14'-0" THROUGH	3" SQ	FOR SQUARE & ROUND GATE POSTS
24'-0" THROUGH	4" OD	2 1/2"
26'-0" THROUGH	6" SQ	FOR GATE POSTS
36'-0" THROUGH	8" SQ	80-2 1/2" END-3 1/2"
38'-0" THROUGH	8" SQ	80-2 1/2" END-3 1/2"
40'-0" THROUGH	8" SQ	80-2 1/2" END-3 1/2"

3 TYPICAL SWING GATES
NOT TO SCALE





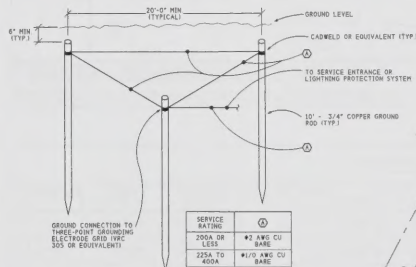
PLAN 2/E100 WORK NOTES

- 1 TRANSFORMER PAD - VERIFY DIMENSIONS AND REQUIREMENTS WITH UTILITY
- 2 CUL-FILED, PAD-MOUNT UTILITY TRANSFORMER
- 3 UNDERGROUND ENTRANCE FOR PRIMARY CONDUITS
- 4 UNDERGROUND ENTRANCE FOR SECONDARY CONDUITS - WHEREVER POSSIBLE, BURY TRANSFORMER TO AVOID CROSSING PRIMARY AND SECONDARY CONDUIT ROUTES
- 5 LOCKABLE GATE WITH OPENING 2'-0" WIDER THAN WIDTH OF TRANSFORMER AND LINED UP TO ALLOW CLEAR ACCESS
- 6 WATER SOCKET ON ROOSTER MOUNTED ADJACENT TO TRANSFORMER
- 7 PANEL, ROP WITH NEMA 3R ENCLOSURE
- 8 GROUND RIGID IN ACCORDANCE WITH DETAIL 3/E100

- A 2'-0" MINIMUM REQUIRED CLEARANCE FROM TRANSFORMER PAD TO ANY EQUIPMENT, OBSTRUCTIONS, NON-FLAMMABLE BRICK, CONCRETE BLOCK, CONCRETE OR STONE WALLS OR SCREENS
- B 10'-0" MINIMUM CLEAR WORKING AREA REQUIRED FROM FRONT OF TRANSFORMER PAD TO ANY EQUIPMENT, OBSTRUCTIONS, WALLS OR SCREENS
- C 3'-0" MINIMUM CLEAR WORKING AREA REQUIRED FROM FRONT OF PANEL TO ANY EQUIPMENT, OBSTRUCTIONS, WALLS OR SCREENS

UTILITY TRANSFORMER

SCALE 1/8" = 1'-0"



SERVICE RATING	Ø
200A OR LESS	#2 AWG CU BARE
225A TO 600A	#1/0 AWG CU BARE

GROUNDING TERMINAL INSTALLATION

E100 04/50/001

N.T.S.



SITE LIGHTING & ELECTRICAL

SCALE 1" = 100'-0"



PLAN 1/E100 WORK NOTES

- 1 LOCATION OF EXISTING NORTHWESTERN ENERGY WIRE JUNCTION BOX TO REMAIN
- 2 COORDINATE WITH BUREAU OF CONSTRUCTION AND REPAIR EXISTING UTILITY TRANSFORMER AND ITS FEEDS - DISCONNECT AND REMOVE ALL ITEMS THAT THIS TRANSFORMER PREVIOUSLY FED
- 3 COORDINATE INSTALLATION OF NEW UTILITY TRANSFORMER WITH WIRE SEE DETAIL 2/E100
- 4 REEDESTAL WITH TRANSFORMER AND LOAD CENTER FOR 120/240V POWER SEE DETAIL 4/E100
- 5 3" BURIED CONDUIT WITH PULLSTOPS FOR FUTURE SCENERGARD
- 6 GROUND MOUNT BASE FOR FUTURE SCENERGARD - SEE DETAIL 1/E100
- 7 DETAIL POLE BASE IN ACCORDANCE WITH DETAIL 3/E100 - CIRCUIT POLE LIGHTS VIA LIGHTING CONTRACTOR AS SHOWN IN DETAIL 3/E100
- 8 GROUND MOUNT BOX WITH WIRING FOR FUTURE POWER - SEE DETAIL 1/E100
- 9 FOR BASE BUD PROVIDE 3" CONDUIT TO JUST NORTHWEST OF DAY USE AREA, PROVIDE AND DETAIL GROUND BOX. THIS WILL SERVE THE FUTURE FREESTAGE AREA - FOR ALTERNATE, SEE DETAIL 1/E100 - BURY CONDUIT WITH THE WAY TO THE FREESTAGE AREA AND PROVIDE GROUND BOX AT THAT LOCATION. NOTE THAT FROM DAY USE AREA TO FREESTAGE AREA TRENCH FOR MAIN DRAINAGE 36" BELOW SURFACE - ENSURE THAT ELECTRICAL CABLES ARE BURED AT 36" BELOW SURFACE
- 10 FOR BASE BUD PROVIDE 3" CONDUIT TO FUTURE PAVILION AREA, PROVIDE AND DETAIL GROUND BOX AT THAT LOCATION - FOR ALTERNATE, BUD CORRECT BURY CONDUIT WITH TO FUTURE PAVILION AREA AND PROVIDE GROUND BOX AT THAT LOCATION
- 11 FOR BASE BUD PROVIDE 3" CONDUIT TO JUST NORTHWEST OF BUILDING AREA, PROVIDE AND DETAIL GROUND BOX. THIS WILL SERVE THE FUTURE DOG PARK AREA - FOR ALTERNATE, SEE DETAIL 1/E100 - BURY CONDUIT WITH THE WAY TO THE DOG PARK AREA AND PROVIDE GROUND BOX AT THAT LOCATION. NOTE THAT BURY CONDUIT CAN BE RUN IN THE SAME TRENCH WHERE APPLICABLE - 36" BELOW SURFACE - ENSURE THAT ELECTRICAL CABLES ARE BURED AT 36" BELOW SURFACE

ELECTRICAL LEGEND

SYMBOL DESCRIPTION

	UNDERGOUND FIBER OPTIC CABLE
	UNDERGOUND STORM SEWER
	UNDERGOUND SANITARY SEWER
	UNDERGOUND WATER LINE
	UNDERGOUND POWER - EXISTING
	NEW UNDERGOUND UTILITY POWER
	NEW UNDERGOUND BRANCH CIRCUIT
	TRANSFORMER - PAD MOUNTED, UTILITY TYPE
	METER
	PANELBOARD - 120/240V OR 120/208V
	DISCONNECT SWITCH - WEATHERHEAD/CONNECTOR
	CONNECTION TO IRRIGATION CONTROLLER
	LIGHT FIXTURE - POLE MOUNTED
	LIGHT FIXTURE - SURFACE MOUNTED
	SWITCH - WEATHERPROOF
	RECEPTACLE - GROUND FAULT PROTECTED WITH NO-LEAKAGE BOX AND COVER
	GROUND MOUNTED JUNCTION/PULL BOX
	LIGHTING CONTRACTOR IN NEMA 3R ENCLOSURE
	PHOTOCELL

CONTRACTOR SHALL LOCATE EXISTING UTILITIES PRIOR TO ANY DIGGING OR TRENCHING. PATCHING/REPLACEMENT OF ANY DAMAGED UTILITIES SHALL BE RESPONSIBILITY OF CONTRACTOR AND SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE STANDARDS AND MUST BE ACCEPTABLE TO AFFECTED UTILITY AND TO THE CITY OF HELENA.

ELECTRICAL SHALL BE ROUTED IN SAME TRENCH WITH OTHER NEW WATER/SEWER PIPING WHENEVER POSSIBLE - WHERE RUN WITH WATER PIPING, BURY ELECTRICAL AT 30" WHERE POWER IS RUN IN ITS OWN TRENCH, BURY AT 24" WHILE DIGGING OR TRENCHING (EITHER WITH BACKHOE OR WITH TRENCHING MACHINE).

DESIGN BY: BROTHERING
17 N. 34th ST., SUITE 22
BIDDEFORD, ME 05001
(408) 243-5599

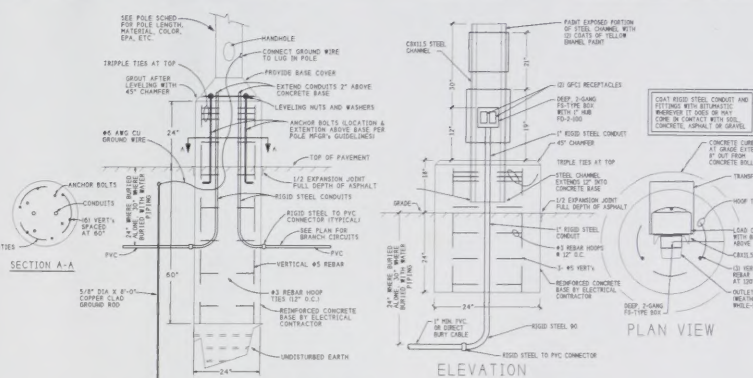
Centennial Park - 95% Submittal
PHASE 1
ELECTRICAL PLAN

CARL THUESEN
A S I A

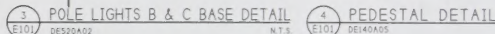
GOLD COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
303 GRAND AVE., SUITE 800
P.O. BOX 22940
BELLINGHAM, WA 98201
(360) 735-5653 FAX 360-9655

Drawn by:
Checked by:
Date:
Rev:
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File:

SHEET
E-100



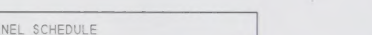
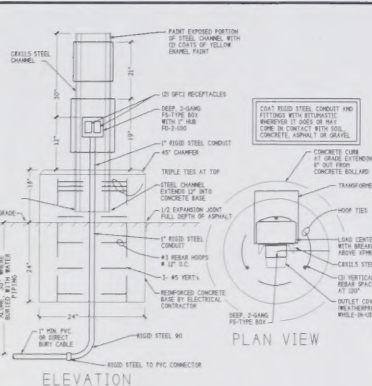
2 EXTERIOR LIGHTING CONTROL SCHEMATIC
E101 DE921A02 N.T.

[illegible]

2 - ENCLOSURE SHALL BE NEW 3R AND SHALL INCLUDE DOOR-IN-DOOR STYLE COVER									
ITEM		QUANTITY	UNIT	DESCRIPTION	PRICE	DATE	BY	REVISION	REMARKS
1	1	1	EA	DOOR IN DOOR	1500				
2	1	1	EA	DOOR IN DOOR	1500				
3	1	1	EA	DOOR IN DOOR	1500				
4	1	1	EA	DOOR IN DOOR	1500				
5	1	1	EA	DOOR IN DOOR	1500				
6	1	1	EA	DOOR IN DOOR	1500				
7	1	1	EA	DOOR IN DOOR	1500				
8	1	1	EA	DOOR IN DOOR	1500				
9	1	1	EA	DOOR IN DOOR	1500				
10	1	1	EA	DOOR IN DOOR	1500				
11	1	1	EA	DOOR IN DOOR	1500				
12	1	1	EA	DOOR IN DOOR	1500				
13	1	1	EA	DOOR IN DOOR	1500				
14	1	1	EA	DOOR IN DOOR	1500				
15	1	1	EA	DOOR IN DOOR	1500				
16	1	1	EA	DOOR IN DOOR	1500				
17	1	1	EA	DOOR IN DOOR	1500				
18	1	1	EA	DOOR IN DOOR	1500				
19	1	1	EA	DOOR IN DOOR	1500				
20	1	1	EA	DOOR IN DOOR	1500				
21	1	1	EA	DOOR IN DOOR	1500				
22	1	1	EA	DOOR IN DOOR	1500				
23	1	1	EA	DOOR IN DOOR	1500				
24	1	1	EA	DOOR IN DOOR	1500				
25	1	1	EA	DOOR IN DOOR	1500				
26	1	1	EA	DOOR IN DOOR	1500				
27	1	1	EA	DOOR IN DOOR	1500				
28	1	1	EA	DOOR IN DOOR	1500				
29	1	1	EA	DOOR IN DOOR	1500				
30	1	1	EA	DOOR IN DOOR	1500				
31	1	1	EA	DOOR IN DOOR	1500				
32	1	1	EA	DOOR IN DOOR	1500				
33	1	1	EA	DOOR IN DOOR	1500				
34	1	1	EA	DOOR IN DOOR	1500				
35	1	1	EA	DOOR IN DOOR	1500				
36	1	1	EA	DOOR IN DOOR	1500				
37	1	1	EA	DOOR IN DOOR	1500				
38	1	1	EA	DOOR IN DOOR	1500				
39	1	1	EA	DOOR IN DOOR	1500				
40	1	1	EA	DOOR IN DOOR	1500				
41	1	1	EA	DOOR IN DOOR	1500				
42	1	1	EA	DOOR IN DOOR	1500				
43	1	1	EA	DOOR IN DOOR	1500				
44	1	1	EA	DOOR IN DOOR	1500				
45	1	1	EA	DOOR IN DOOR	1500				
46	1	1	EA	DOOR IN DOOR	1500				
47	1	1	EA	DOOR IN DOOR	1500				
48	1	1	EA	DOOR IN DOOR	1500				
49	1	1	EA	DOOR IN DOOR	1500				
50	1	1	EA	DOOR IN DOOR	1500				
51	1	1	EA	DOOR IN DOOR	1500				
52	1	1	EA	DOOR IN DOOR	1				

[illegible]

SHEET
E-101



3	POLE LIGHTS B & C BASE DETAIL	4	PEDESTAL DETAIL
E101	DE120A02	E101	DE140A05
	N.T.S.		N.T.S.

[illegible]

2 - ENCLOSURE SHALL BE NEW 3" AND SHALL INCLUDE DOOR-IN-DOOR STYLE COVER									
NO.	QUANTITY	SIZE	UNIT	PRICE	AMOUNT	DATE	DESCRIPTION	REMARKS	REVISION
1	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
2	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
3	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
4	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
5	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
6	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
7	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
8	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
9	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
10	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
11	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
12	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
13	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
14	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
15	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
16	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
17	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
18	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
19	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
20	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
21	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
22	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
23	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
24	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
25	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
26	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
27	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
28	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
29	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
30	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
31	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
32	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
33	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
34	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
35	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
36	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
37	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
38	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
39	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
40	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
41	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
42	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
43	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		
44	1	3" x 6"	EA	10000	10000		DOOR-IN-DOOR STYLE COVER		

[illegible]

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DESIGN-2 ENGINEERING
 17 N. 26th ST., SUITE 12
 WILKINSON, NE 68091
 (402) 243-2399

CENTENNIAL PARK - 95% SUBMITTAL

ELECTRICAL SCHEDULES AND DETAILS

CARL THUESSEN
 A S S A

GOLF COURSE ARCHITECTURE
LANDSCAPE ARCHITECTURE
 1935 GRAND AVE., SUITE 105
 P.O. BOX 22963
 BIRLINGHAM, MI 48008
 482-702-3044 FAX 482-9875

Drawn by: _____	PS
Date: _____	NOV 5 '93
Checked by: _____	GS
Date: _____	NOV 5 '93
Rev: _____	REV. (E)
File: _____	

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E-101

